TC-D5M

US Model
AEP Model

'Dolby' and the double-D symbol are the trade marks of Dolby Laboratories. Noise reduction system manufactured under license from Dolby Laboratories.

STEREO CASSETTE-CORDER

SPECIFICATIONS

Tape track	4-track 2-channel stereo
Fast winding time	Approx. 150 sec. with Sony C-60 Cassette
Bias frequency	85 kHz
Signal-to-noise ratio	DOLBY NR OFF
	• With TYPE IV cassette (Sony METALLIC) 58 dB at peak level
	• With TYPE III cassette (Sony DUAD) 59 dB at peak level
	• With TYPE II cassette (Sony JHF) 56 dB at peak level
	• With TYPE I cassette (Sony BHF) 53 dB at peak level
	DOLBY NR ON Improved by 5 dB at 1 kHz, 10 dB above 5 kHz
Total harmonic distortion	1.0% (with Sony METALLIC or DUAD)
Frequency response	DOLBY NR OFF
	• With TYPE IV cassette (Sony METALLIC) 20 – 19,000 Hz 30 – 17,000 Hz (±3 dB) 30 – 13,000 Hz (±3 dB, 0 VU recording)
	• With TYPE III cassette (Sony DUAD) 20 – 19,000 Hz 30 – 17,000 Hz (±3 dB)
	• With TYPE II cassette (Sony JHF) 20 – 18,000 Hz 30 – 15,000 Hz (±3 dB)
	• With TYPE I cassette (Sony BHF) 20 – 17,000 Hz 30 – 14,000 Hz (±3 dB)
Wow and flutter	0.06% (WRMS)

Inputs	Microphone inputs (phone jacks) sensitivity 0.25 mV (–70 dB) for a low-impedance microphone
	Line inputs (phono jacks) sensitivity 77.5 mV (–20 dB) input impedance more than 47 kilohms
Outputs	Line outputs (phono jacks) output level 0,435 V (–5 dB) at load impedance 47 kilohms suitable load impedance more than 10 kilohms
	Headphone ouput max. power output 20 mW (at load impedance 8 ohms)
Speaker	Approx. 5 cm
Power output	200 mW (EIAJ/DC)

– Continued on page 2 –

0dB = 0.775V

SONY®

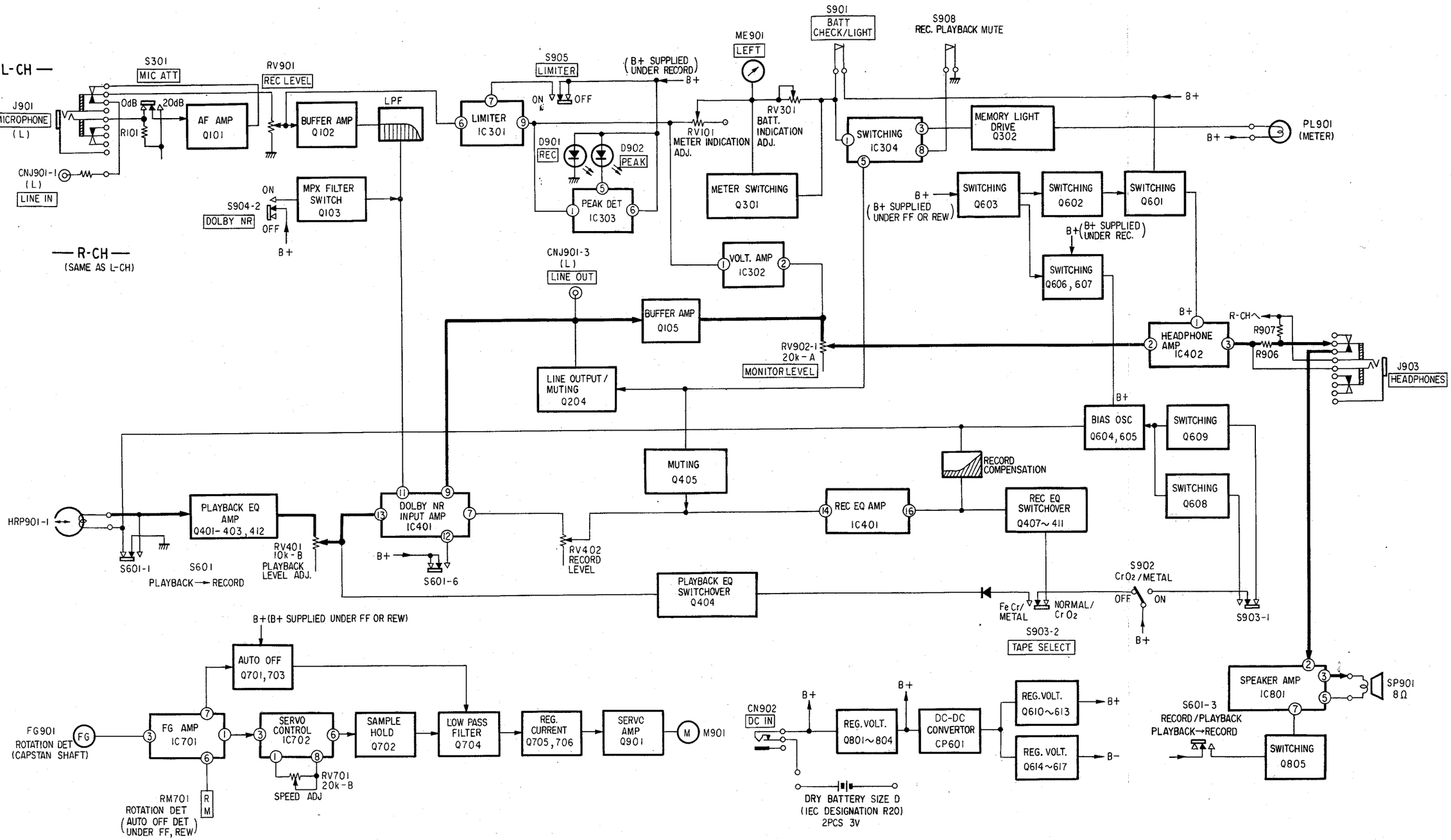
SERVICE MANUAL

General

Power requirements	3 V dc, two UM-1 batteries (IEC designation R20) 100 V ac, 50/60 Hz with Sony AC-61 AC Power Adaptor (optional) 12 V car battery with Sony DCC-127A Car Battery Cord (optional)
Power consumption	12 VA (50 Hz), 11 VA (60 Hz) with Sony AC-61 AC Power Adaptor
Battery life (EIAJ)	Approx. 2 hours using Sony SUM-1S Super Batteries Approx. 1.5 hours with metal tape using SUM-1S Approx. 5.5 hours using Sony Eveready AM1 Alkaline Batteries Approx. 4 hours with metal tape using AM1
Dimensions	237×48×168 mm (w/h/d) including projecting parts and controls
Weight	1.7 kg (incl. batteries)

SECTION 1
OUTLINE

1-1. BLOCK DIAGRAM



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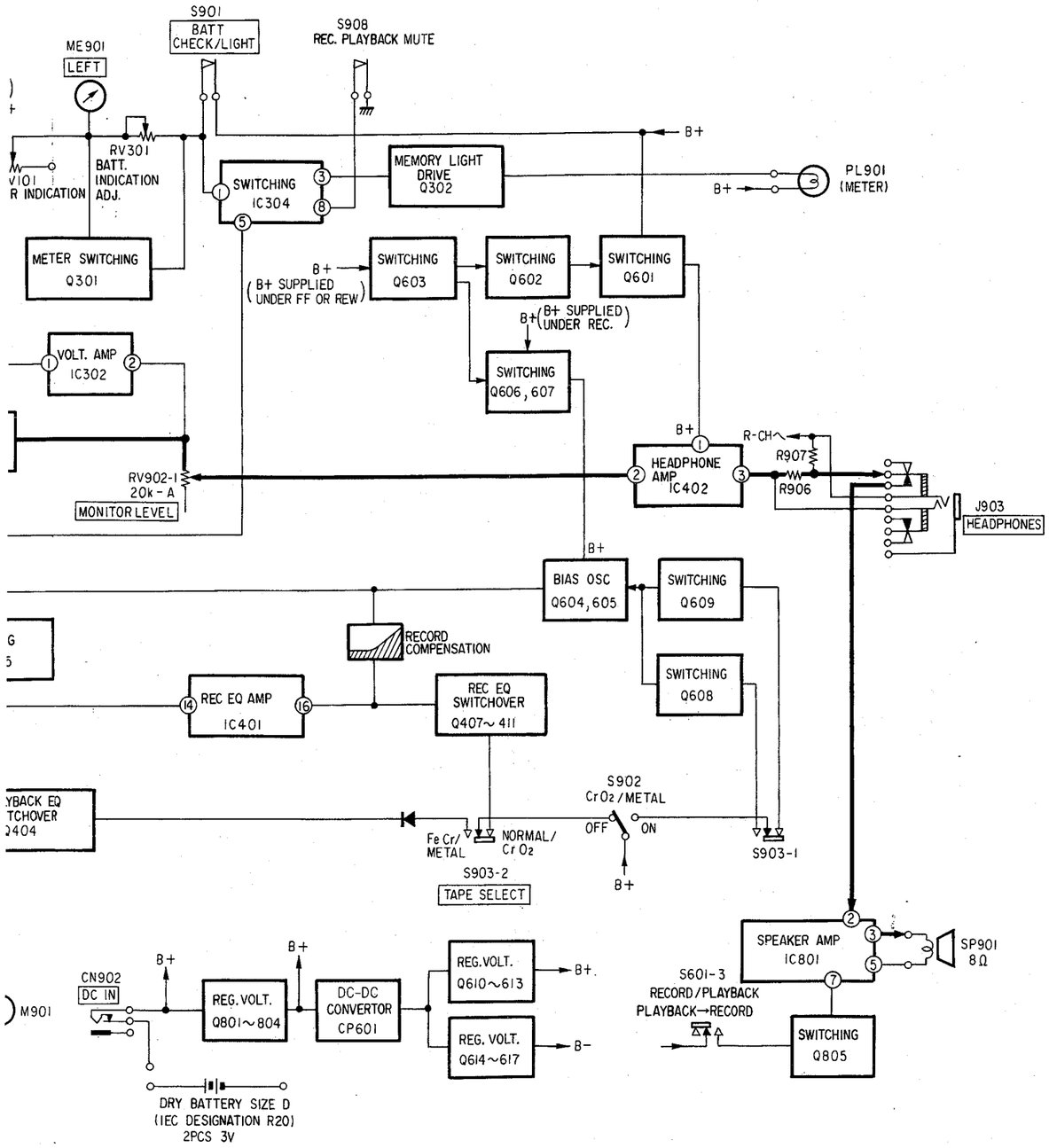

Use the charts together with the exploded views (Page 22 to 28).

DIMENSIONS AND PART NO. OF PRECISION SCREWS

Type	⊕ P (Pan-head screw)			⊕ K (Flat-countersunk-head screw)		
	d mm	H mm	D mm	d mm	H mm	D mm
Type 1	1.4	0.5	2	1.4	0.45	2

Type	Size (mm) (d x L)	Part No.
Type 1	P2 x 2	7-627-553-17
	P2 x 2.5	7-627-553-27
	P2 x 3	7-627-553-37
	P2 x 3.5	7-627-554-17
	P2 x 4	7-627-553-47
	P2 x 4.5	7-627-553-58
	P2 x 6	7-627-553-68
	P2 x 8	7-627-553-98
	K2 x 2	7-627-452-07
	K2 x 3	7-627-452-18

HARDWARE NOMENCLATURE

Screw: P 3 x 10
- *L: Length in mm*
- *D: Diameter in mm*
- *Type of head*
- *Indicated slotted-head only. Unless otherwise indicated, it means cross-recessed head (Phillips type).*

Nut, Washer, Retaining ring: N 3
- *Diameter of usable screw or shaft*
- *Reference designation*

Reference Designation	Shape	Description	Remarks
SCREWS			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		braizer-head screw	

Reference Designation	Shape	Description	Remarks
SELF-TAPPING SCREWS			
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
SET SCREWS			
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
NUT			
N		nut	
WASHERS			
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
RETAINING RINGS			
E		retaining ring	
G		grip-type retaining ring	

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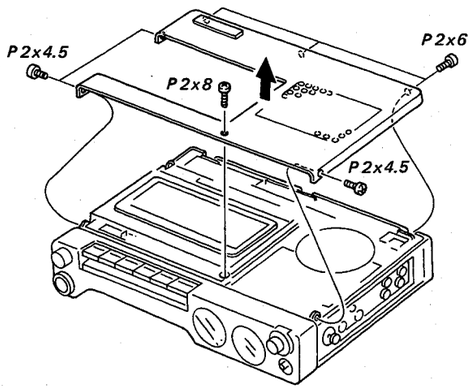
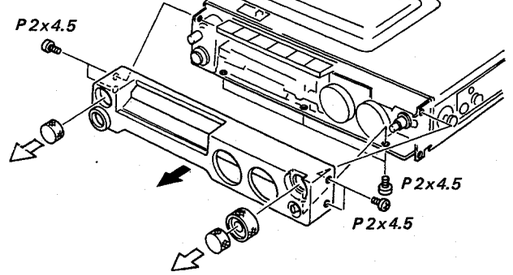
SECTION 2
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

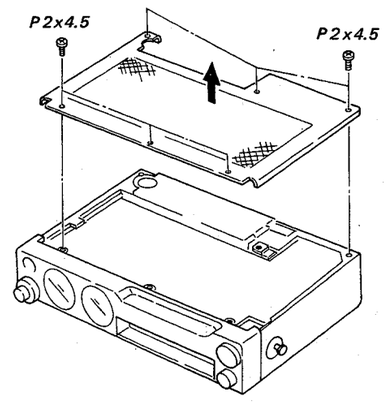
UPPER PANEL



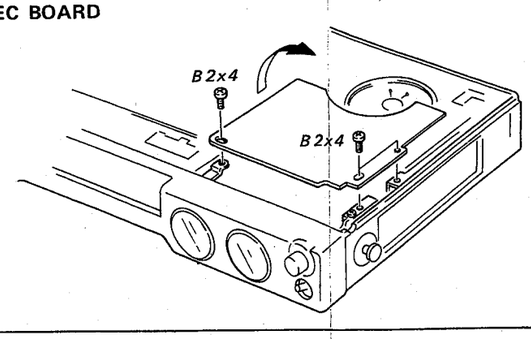
FRONT PANEL ASS'Y



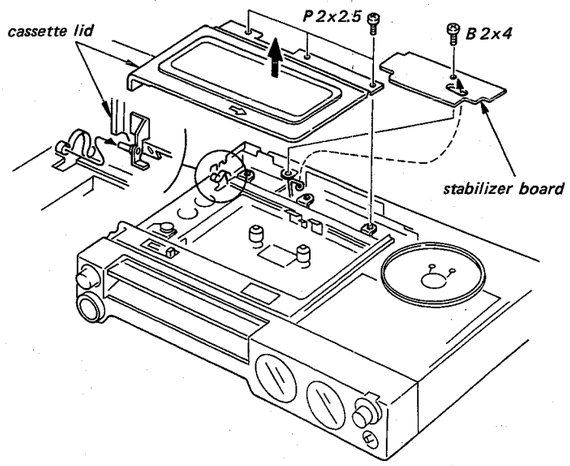
BOTTOM PANEL ASS'Y



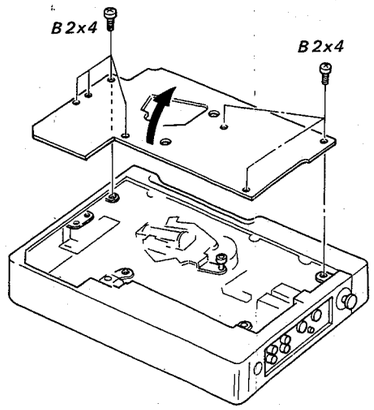
REC BOARD



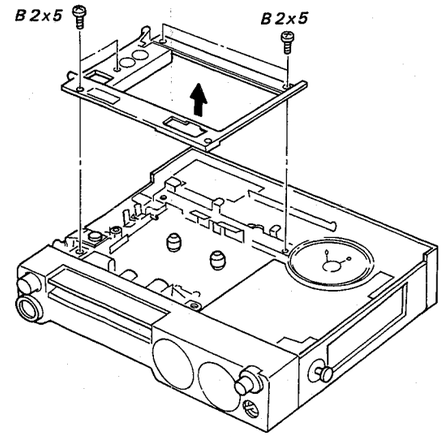
CASSETTE LID ASS'Y, STABILIZER BOARD



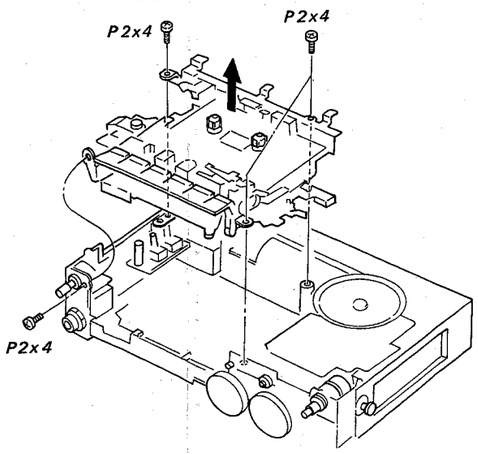
AUDIO AMP BOARD



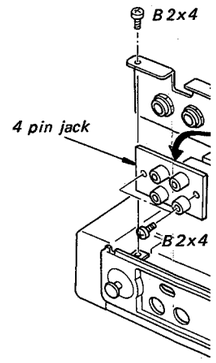
ORNAMENTAL FRAME



MECHANISM ASS'Y



4 PIN JACK



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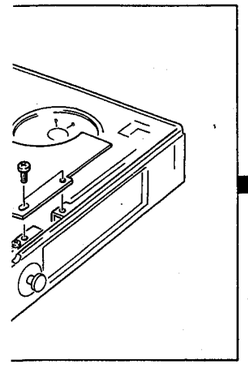
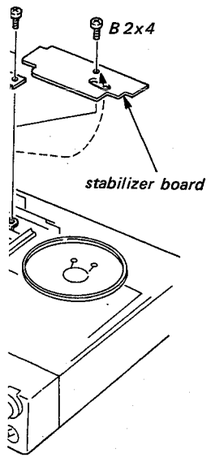
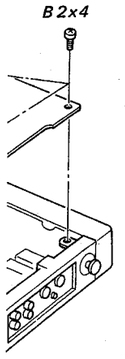
order given.

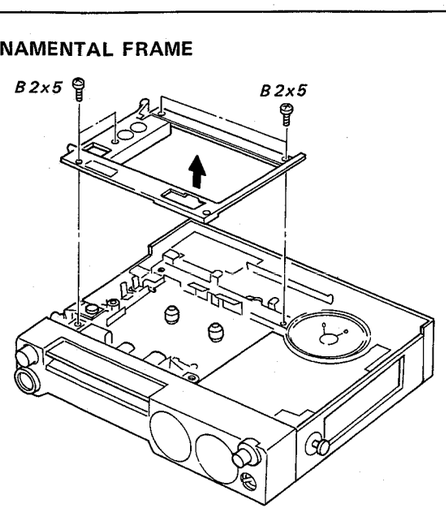


OARD

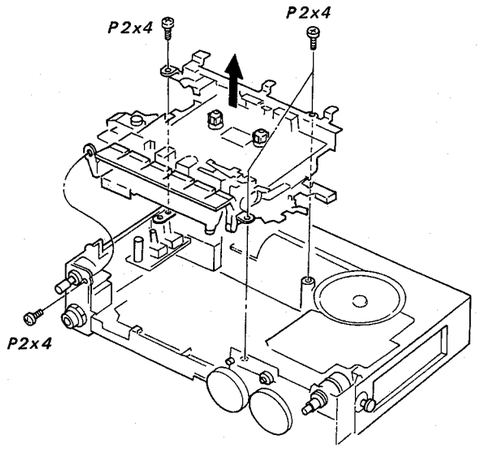




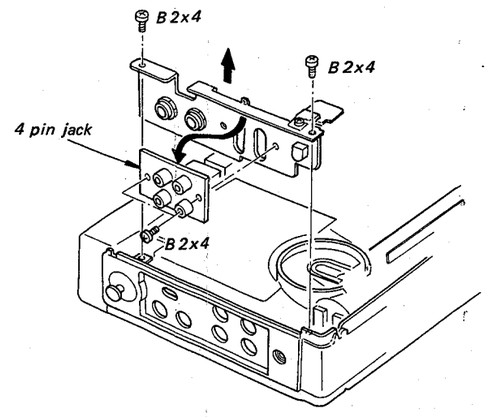
ORNAMENTAL FRAME



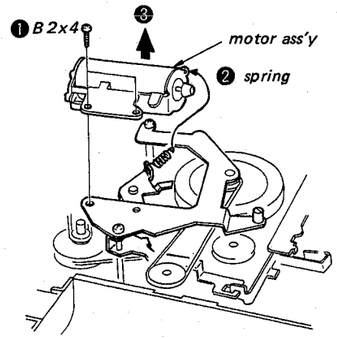
MECHANISM ASS'Y



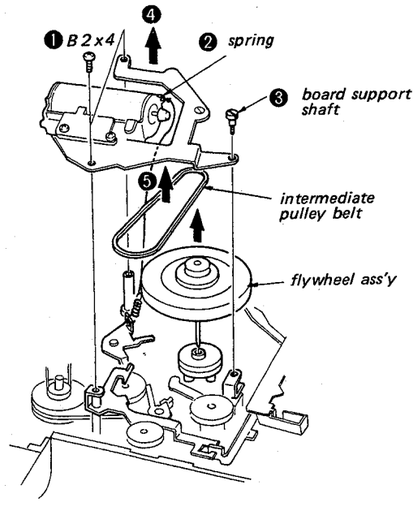
4 PIN JACK



MOTOR ASS'Y



FLYWHEEL



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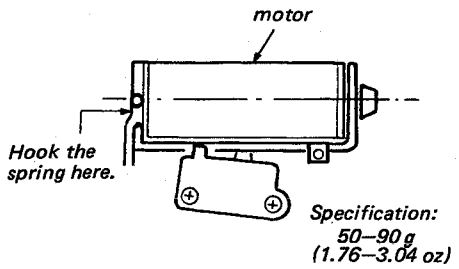
SECTION 3
ADJUSTMENTS

3-1. Mechanical Adjustments

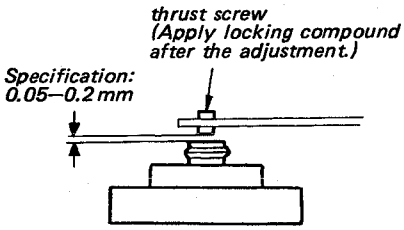
Motor Pressure Measurement

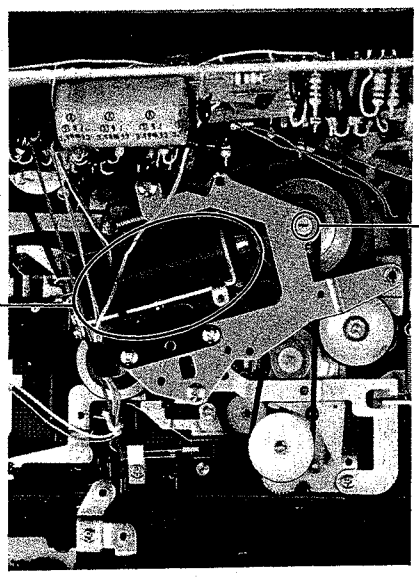
Erect the set in a perpendicular condition and push the forward (FWD) button. Pull the spring scale hooked in the position shown below. Slowly touch the flywheel with the motor pulley and read the spring scale just when the flywheel starts rotating.



Flywheel Thrust Play Adjustment

Slowly tighten the thrust screw with a screwdriver. Then loosen the thrust screw and adjust the screw position 1/5–3/5 turn from the point where the thrust screw touches the capstan shaft. There should be no play.
(The clearance should be as in the following figure.).

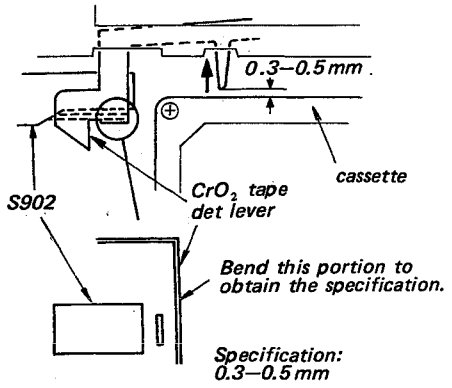




CrO_2 Tape Det Lever Adjustment

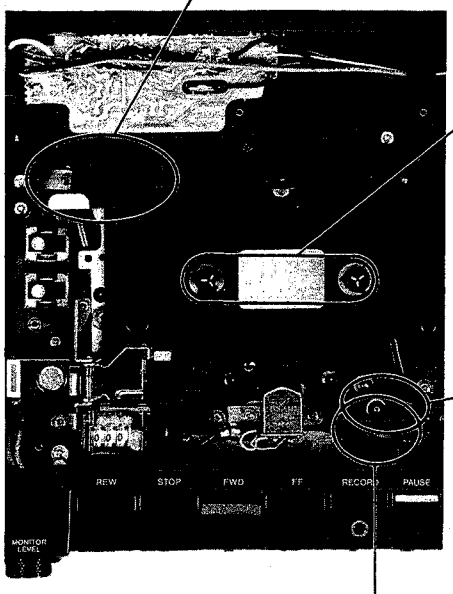
Install a cassette tape (besides CrO_2) and push the CrO_2 tape det lever in the direction of the arrow. Confirm that the clearance between the CrO_2 tape det lever and the cassette is 0.3 mm–0.5 mm.

Return the CrO_2 tape det lever in the original position and confirm that S902 is OFF. (Be sure that the miniature switch lever is pushed.)



Torques (Reference)

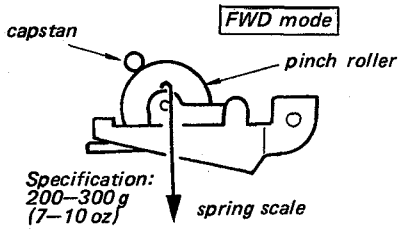
FWD	38 ± 10 g·cm (0.52 ± 0.13 oz·inch)
FF	more than 80 g·cm (1.11 oz·inch)
REW	more than 70 g·cm (0.97 oz·inch)
back tension	less than 5 g·cm (0.069 oz·inch)



Pinch Roller Pressure Measurement

– Playback Mode –

1. Pull the spring scale.
2. Slowly return the pinch roller and read the spring scale just when the pinch roller starts rotating.



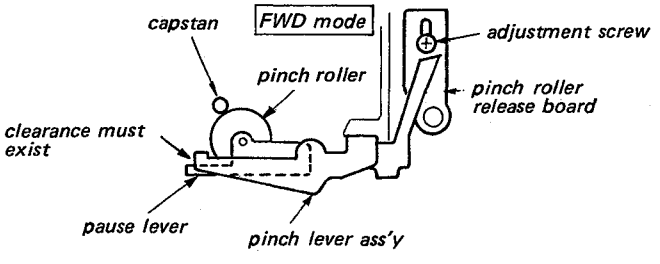
Pause Timing Adjustment

Under locked condition:

Confirm that the take-up reel spindle stops rotating without the tape being in CUE mode after the pinch roller leaves the capstan.

Under released condition:

Confirm that the pinch roller touches the capstan after the take-up reel spindle starts rotating.



3-2. ELECTRICAL ADJUSTMENTS

Note: The adjustment should be performed in the order given in this service manual. The adjustments should be performed for both L-CH and R-CH.

- Set the TAPE SELECT switch according to the tape as follows.

Tape	TAPE SELECT
CS-10	NORMAL/CrO_2
CS-25	NORMAL/CrO_2
CS-30	FeCr/METAL
CS-40	FeCr/METAL

- Switches and controls should be set as follows unless otherwise specified.

DOLBY NR switch: OFF
TAPE SELECT switch: NORMAL/CrO_2
LIMITER switch: OFF
MIC ATT switch: 0 dB

- Standard Record

Deliver the standard input signal level to the input jack and set the REC LEVEL control to obtain the standard output signal level.

Standard Input Level

	MIC	LINE IN
source impedance	300 Ω	47 kΩ
input level	0.77 mV (-60 dB)	0.25 V (-10 dB)

Standard Output Level

	LINE OUT (FIXED)	HEAD-PHONES
load impedance	47 kΩ	8 Ω
output level	0.44 V (-5 dB)	0.39 V (-6 dB)

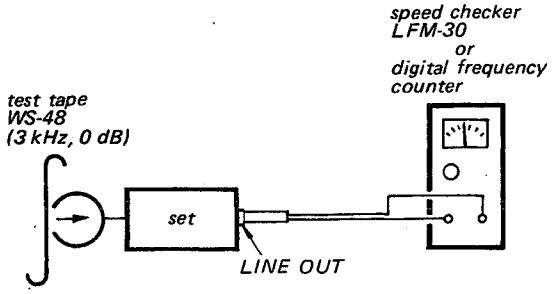
Tape Speed Adjustment

Setting:

MONITOR LEVEL : mechanical mid

Procedure:

Mode: playback



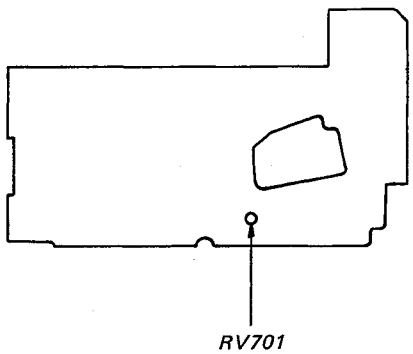
Adjust RV701 so that the tape speed is within the specification around the middle of the tape.

Specification:

Speed checker	Digital frequency counter
-1.0–+1.0%	2,970–3,030 Hz

Adjustment Location:

– audio amp board –
(conductor side)



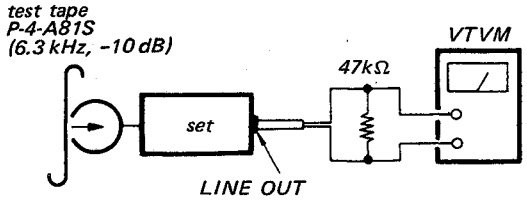
Record/playback Head Azimuth Adjustment

Setting:

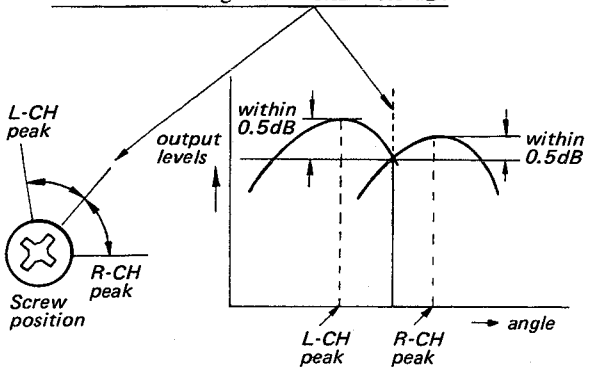
MONITOR LEVEL : mechanical mid

Procedure:

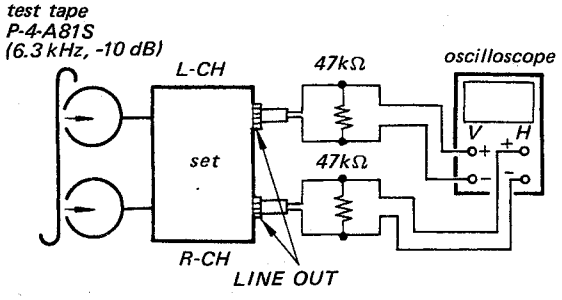
1. Mode: Playback

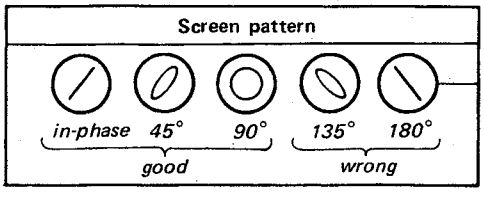


2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw where both of output levels match together within 0.5 dB.



3. Phase Check
   Mode: playback

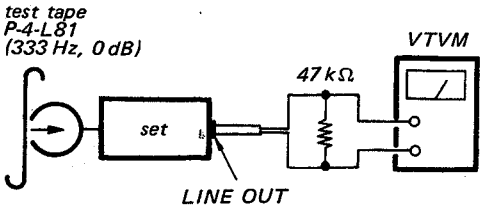




Playback Level Adjustment

Procedure:

1. Mode: Playback

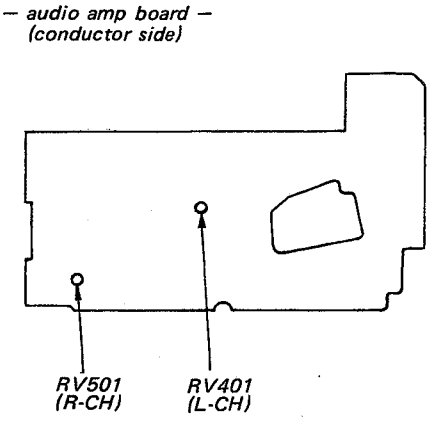


2. Adjust RV401 (L-CH) and RV501 (R-CH) so that the LINE OUT level is within the specification.

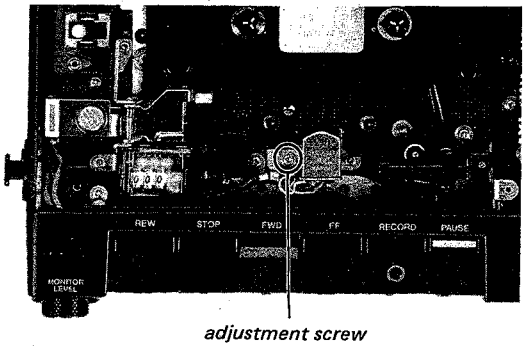
Specification:

0.55 V (–3 dB)

Adjustment Location:



Adjustment Location:

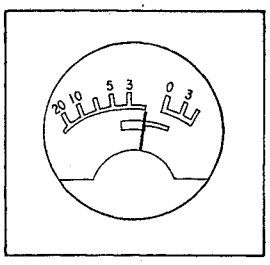


Battery Indicator Calibration Adjustment

Procedure:

Power: 2.2V dc
Mode: playback
(No cassette tape installed.)

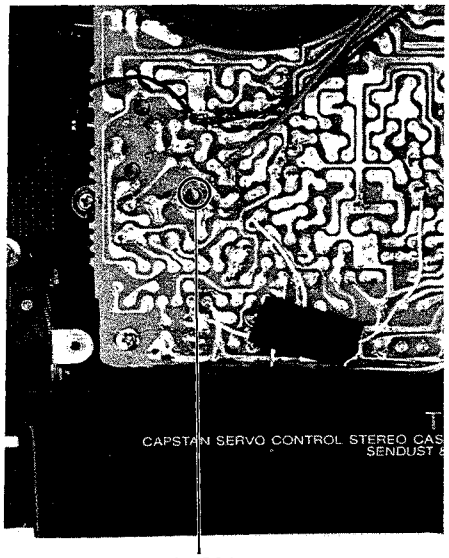
Adjust RV301 so that the pointer of the level meter is positioned as shown below when BATT CHECK/LIGHT button is pushed.



level meter

Adjustment Location:

– record board –



RV301

Record Bias Adjustment

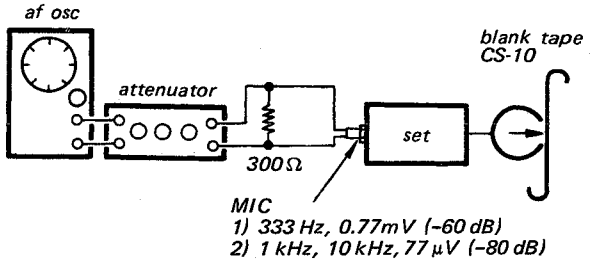
Setting:

TAPE SELECT switch: NORMAL/CrO_2
LIMITER switch: OFF

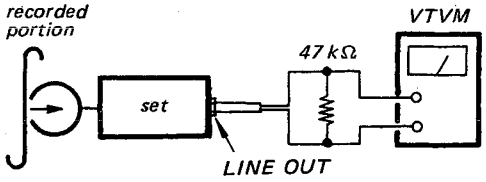
Record 333Hz signal and adjust the REC LEVEL control to obtain -5dB LINE OUT level.

Procedure:

1. Mode: record



2. Mode: playback



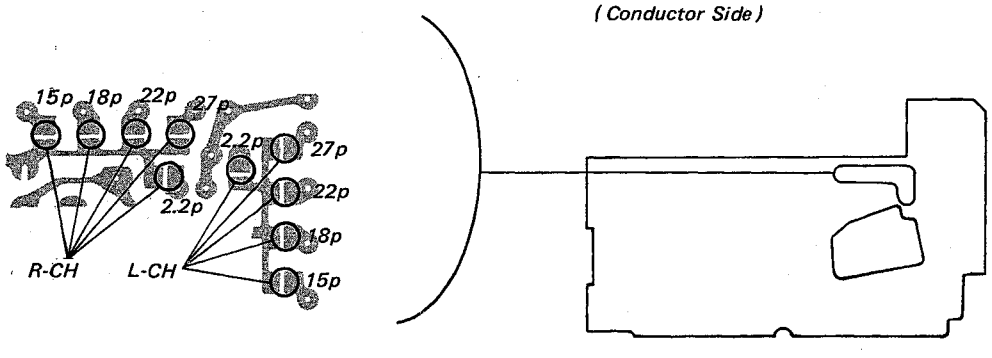
3. Playback 1 kHz, 10 kHz and adjust by changing the pattern to obtain the specified LINE OUT level. (When the specified value cannot be obtained by bridging only one pattern, then bridge another pattern.)
   When the 10 kHz output is high
   → increase the capacitance
   When the 10 kHz output is low
   → decrease the capacitance

Specification:

Within 10 kHz level difference ±0.5 dB relative to 1 kHz.

Adjustment Location:

– audio amp board –
(Conductor Side)



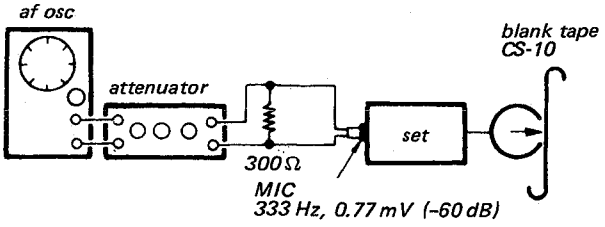
Record Level Adjustment

Setting:

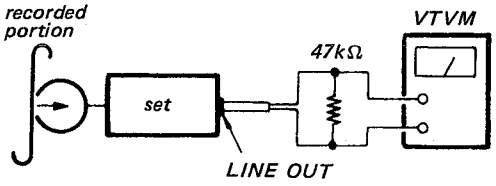
MIC ATT switch:	0 dB
LIMITER switch:	OFF
TAPE SELECT switch:	NORMAL/CrO_2
REC LEVEL control:	standard record (See page 11.)

Procedure:

1. Mode: record



2. Record -60 dB (0.77 mV), 333 Hz signal in a blank tape (CS-10).
3. Playback the recorded tape in step 2.
4. Mode: playback

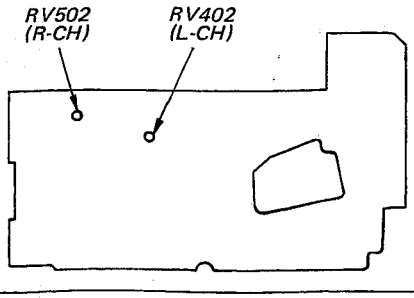


5. Repeat steps 2 and 3 and adjust RV402 (L-CH), RV502 (R-CH) so that the LINE OUT level is -5 dB.
6. Repeat steps 1 to 4 also for CS-25 and obtain the specified value.
7. Install CS-30 and set the TAPE SELECT switch to FeCr/METAL. Then adjust as in step 6.
8. Install CS-40 and adjust as in step 6.

Tape	Specification	TAPE SELECT
CS-10	-5 dB ±0.5 dB	NORMAL/CrO_2
CS-25	-5 dB ±2 dB	NORMAL/CrO_2
CS-30	-5 dB ±2 dB	FeCr/METAL
CS-40	-5 dB ±2 dB	FeCr/METAL

Adjustment Location:

– audio amp board –



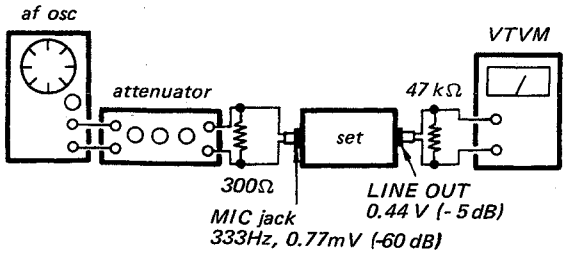
Meter Level Adjustment

Setting:

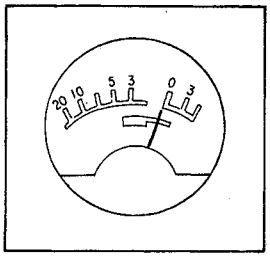
MIC ATT switch:	0 dB
LIMITER switch:	OFF
REC LEVEL control:	standard record (See page 11.)

Procedure:

1. Mode: record



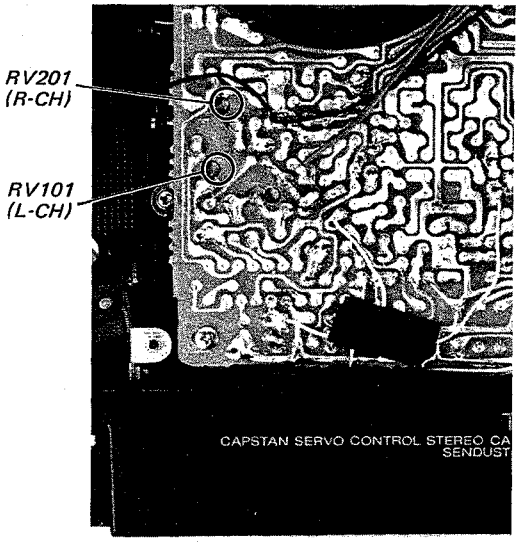
2. Adjust RV101 (L-CH) and RV201 (R-CH) so that the pointer of the level meter points 0dB as shown below.



level meter

Adjustment Location:

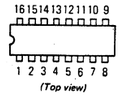
– record board –



SECTION 4
DIAGRAMS

4-1. MOUNTING DIAGRAM

CX174



UPC358C

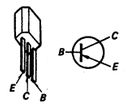
CX069
CX184

BX338

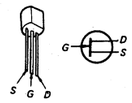
BX337

BX335

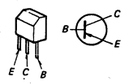
2SA844
2SA1027R



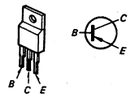
2SK30A



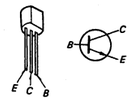
2SA836



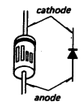
2SA861



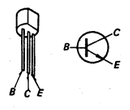
2SC1345
2SC1364
2SC1474
2SC1634
2SC2001



1S1555
1T22AM
1T40
10E.1
10E.2
HZ6B2N
HZ6B21

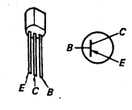


2SD788

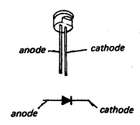


DM-101

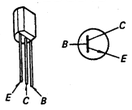
2SA733
2SA739
2SA772-23
2SA952
2SA739
2SB739



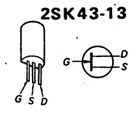
SLP24B



2SC945



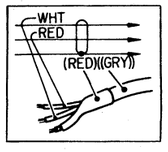
2SK43-13



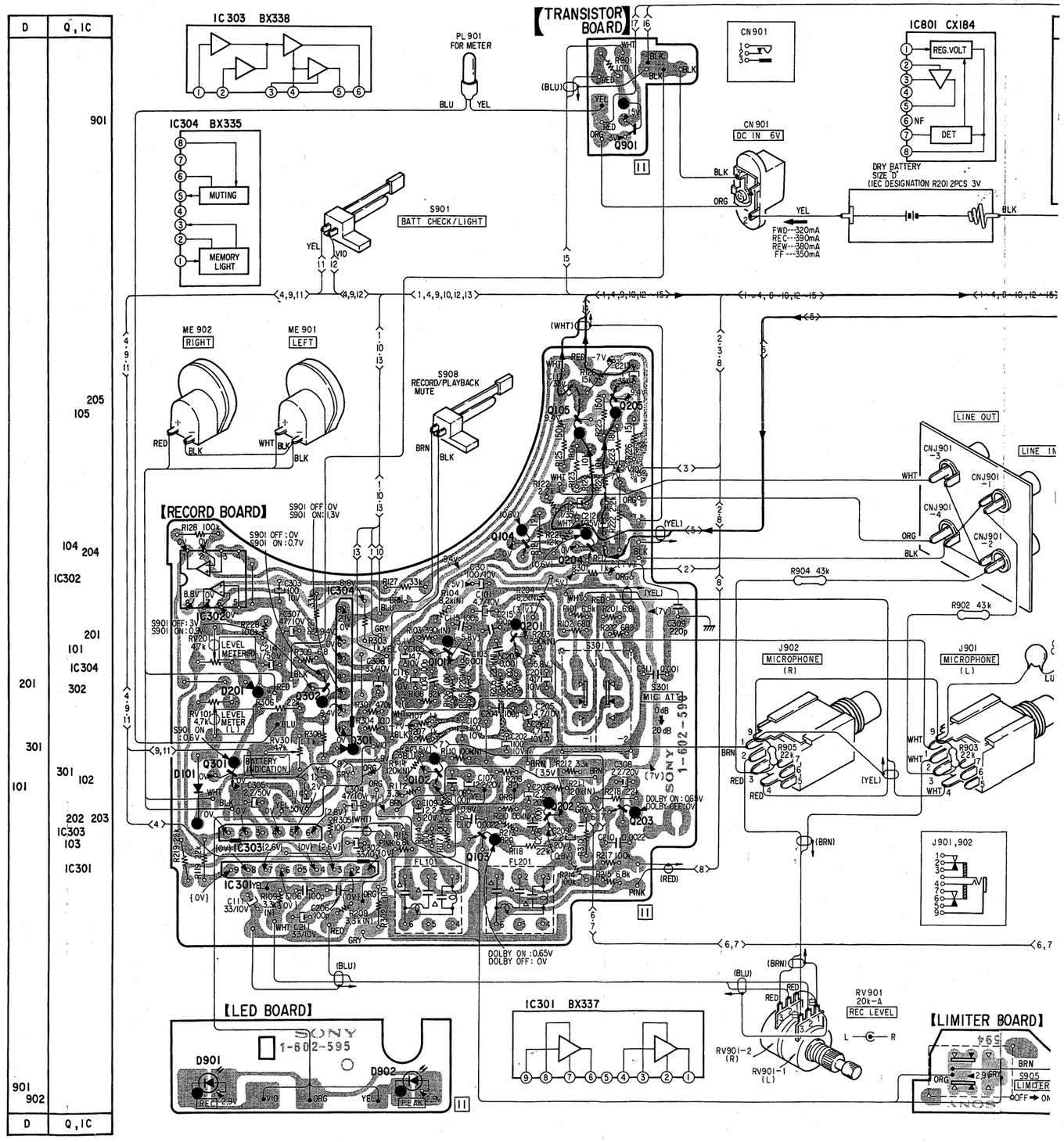
1	2SA844 2SA1027R 2SK30A
2	UPC358C 2SA836 2SA861 CX069 CX184 2SC1345 2SC1364 2SC1474 2SC1634 2SC2001 1S1555 1T22AM 1T40 10E.1 10E.2 HZ6B2N HZ6B21 BX338
3	2SD788 DM-101 BX337
4	2SA733 2SA739 2SA772-23 2SA952 2SA739 2SB739 SLP24B BX335
5	2SC945 2SK43-13

Note:

- ○—: parts extracted from the component side.
- ●—: parts extracted from the conductor side.
- ■: part mounted on the conductor side.
- : B+ pattern
- : B- pattern
- : signal path
- : L-CH signal path
- : R-CH signal path
- Color code of sleeving over the end of the jacket.



D	Q, IC
	901
	205 105
	104 204 IC302
	201 101 IC304
201	302
301	301 102
101	202 203 IC303 103 IC301
	901 902
D	Q, IC



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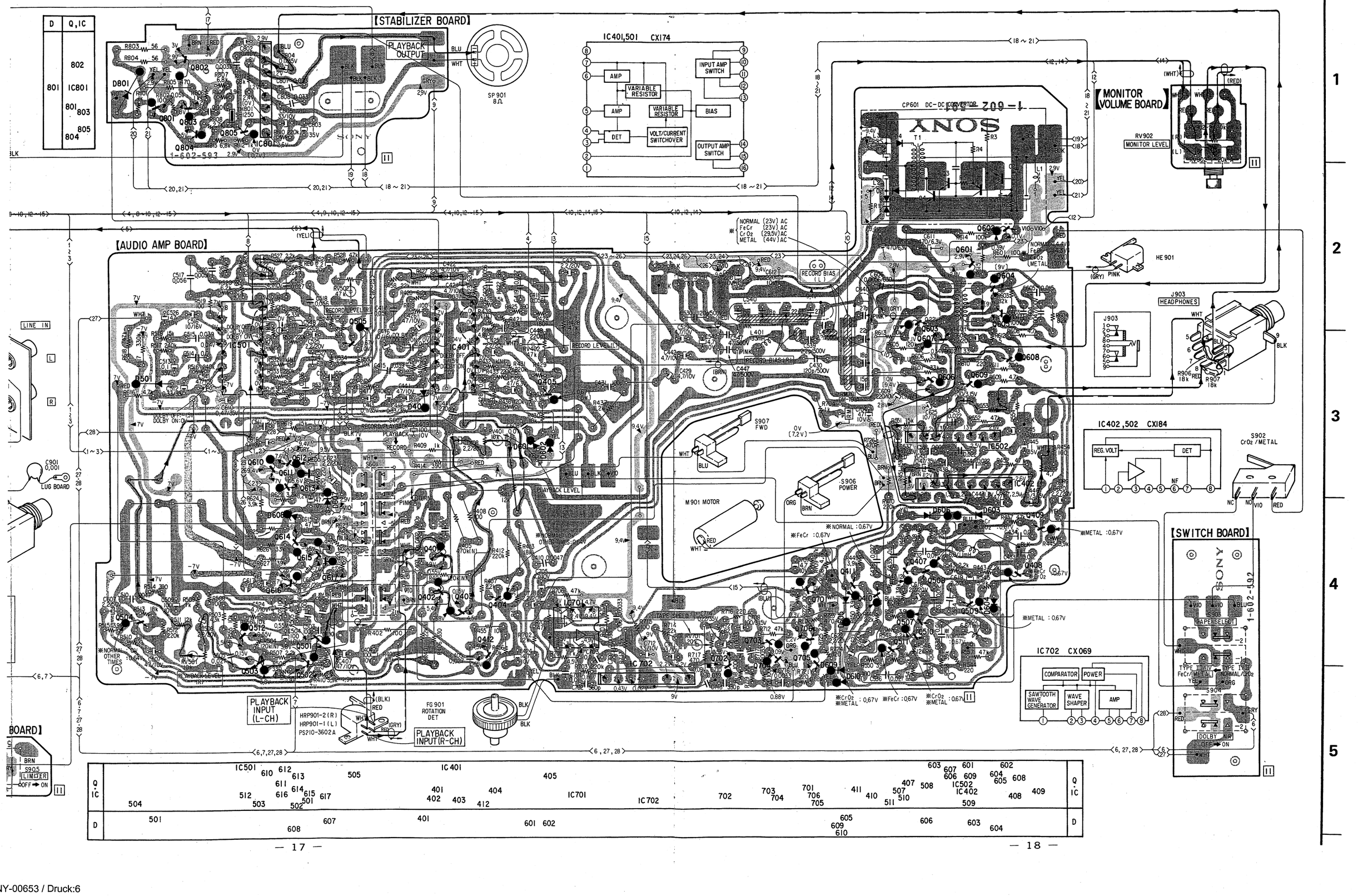
G H I J K L M N

1 2 3 4 5



D	Q,IC
801	802 IC801 801 803 805 804

Q IC	504	IC501 610 612 613 505 611 614 615 617 512 616 503 502 501	IC401 401 402 403 404 412 405	IC701	IC702	702 703 704 701 706 705 411 410 603 607 606 601 609 602 604 605 608 507 510 511 508 IC502 IC402 509 408 409	Q IC
D	501	608 607	401	601 602		605 609 610 606 603 604	D

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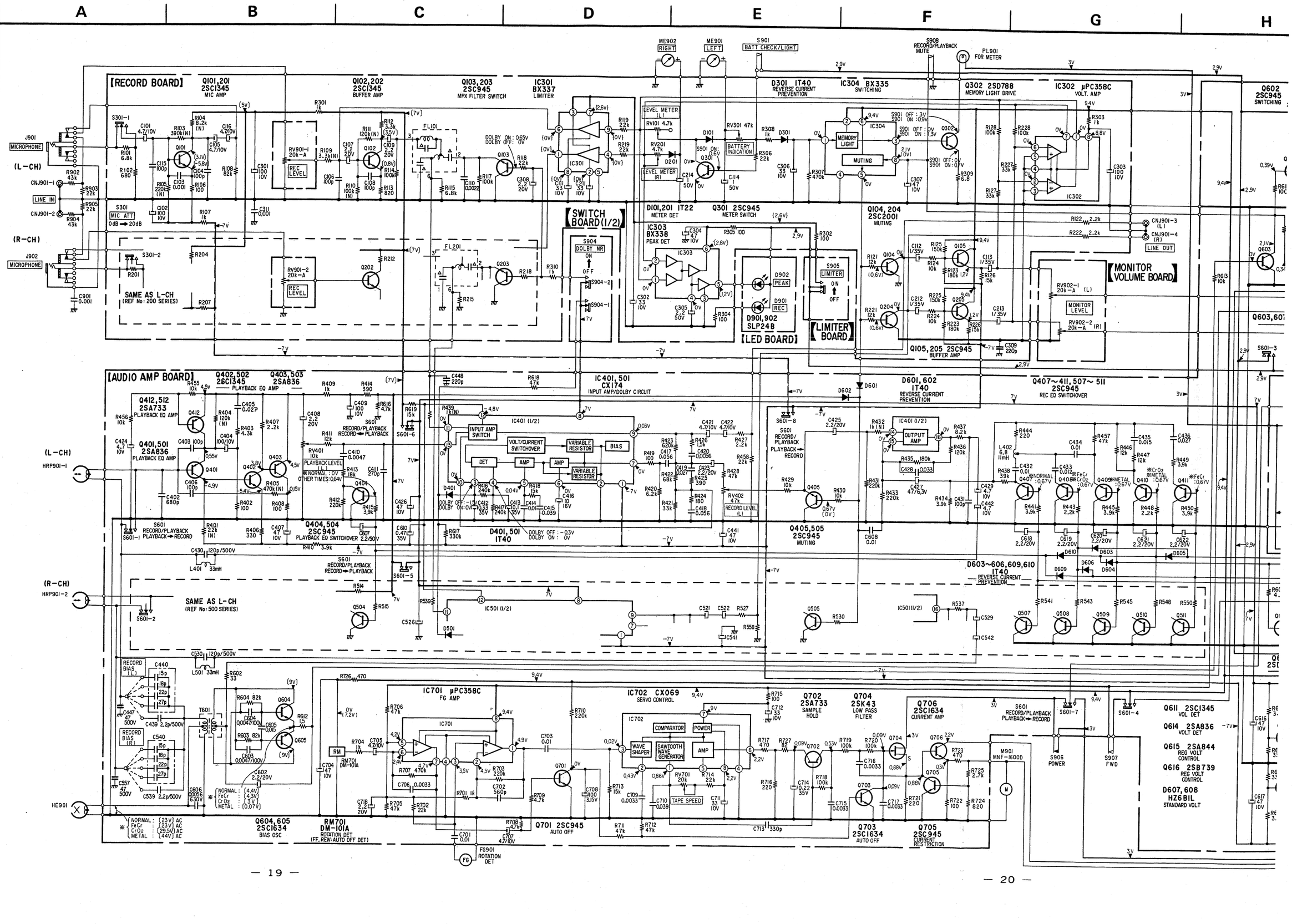
4-2. SCHEMATIC DIAGRAM



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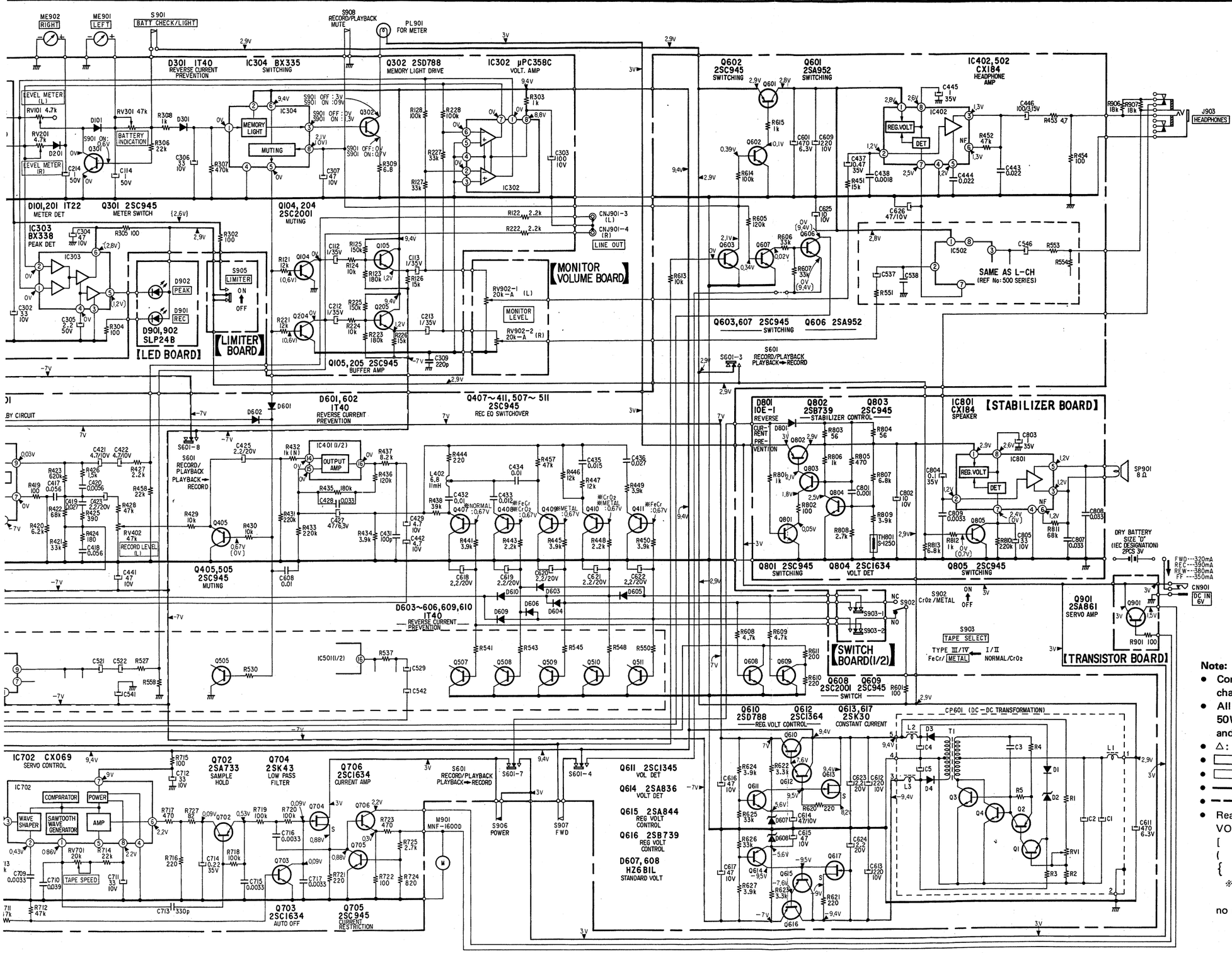
TC-D5M

E F G H I J K L



Note:

- Components for right channel have same values as for left channel. Reference numbers are coded from 200 or 500.
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalum.
- △: internal component.
- ▭ : panel designation.
- ▭ : adjustment for repair.
- ——— : B+ bus.
- — — — : B– bus.
- Readings are taken under no-signal conditions with a VOM (20 kΩ/V).
  - [ ]: record
  - ( ): FF or REW
  - { }: record/S905 (LIMITER) ON
  - ※ : Value when S902 CrO_2/METAL, S903 (TAPE SELECT) are selected.
  - no mark: playback

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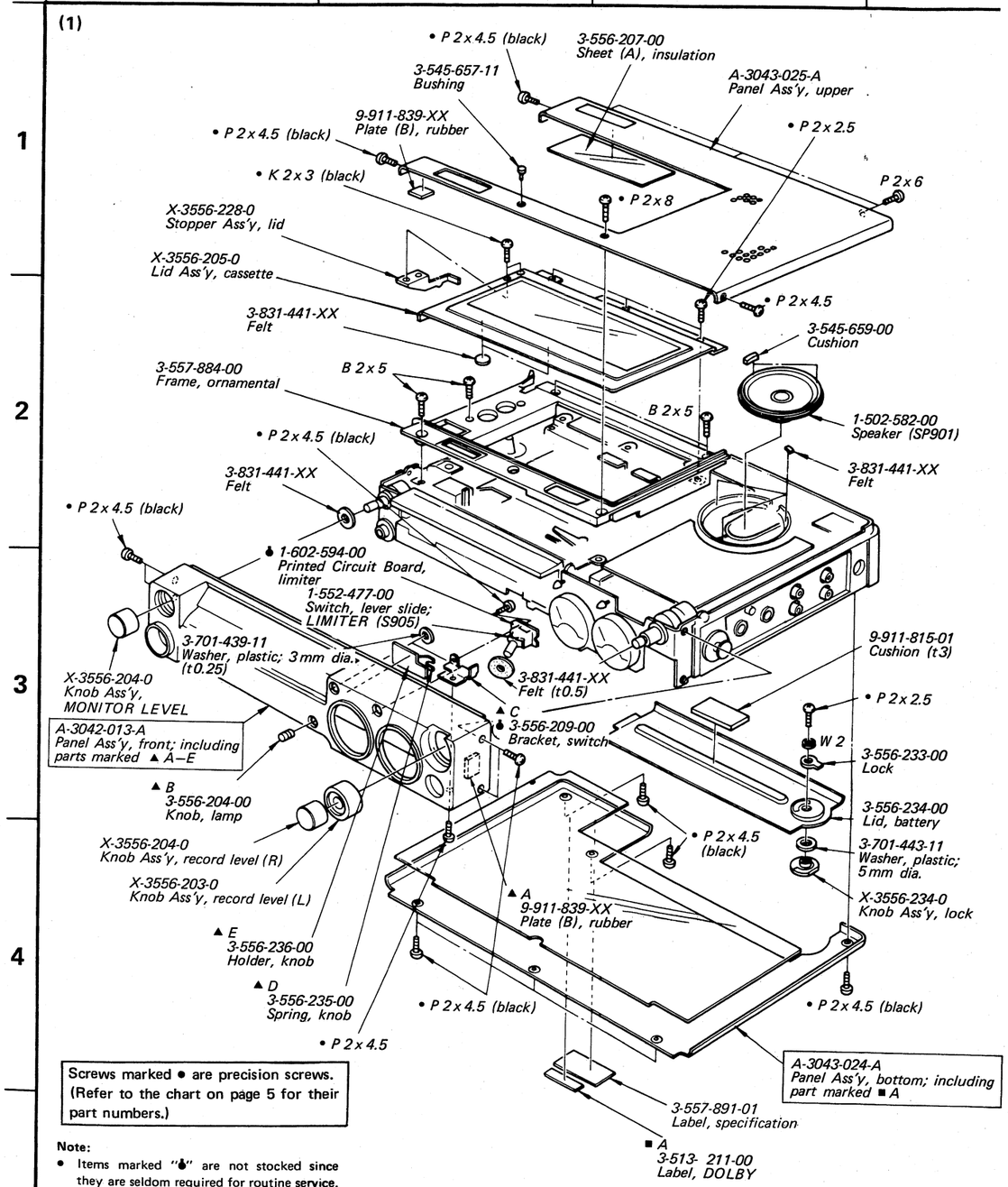
SECTION 5
EXPLODED VIEWS

Refer to page 5 for notes on screws.

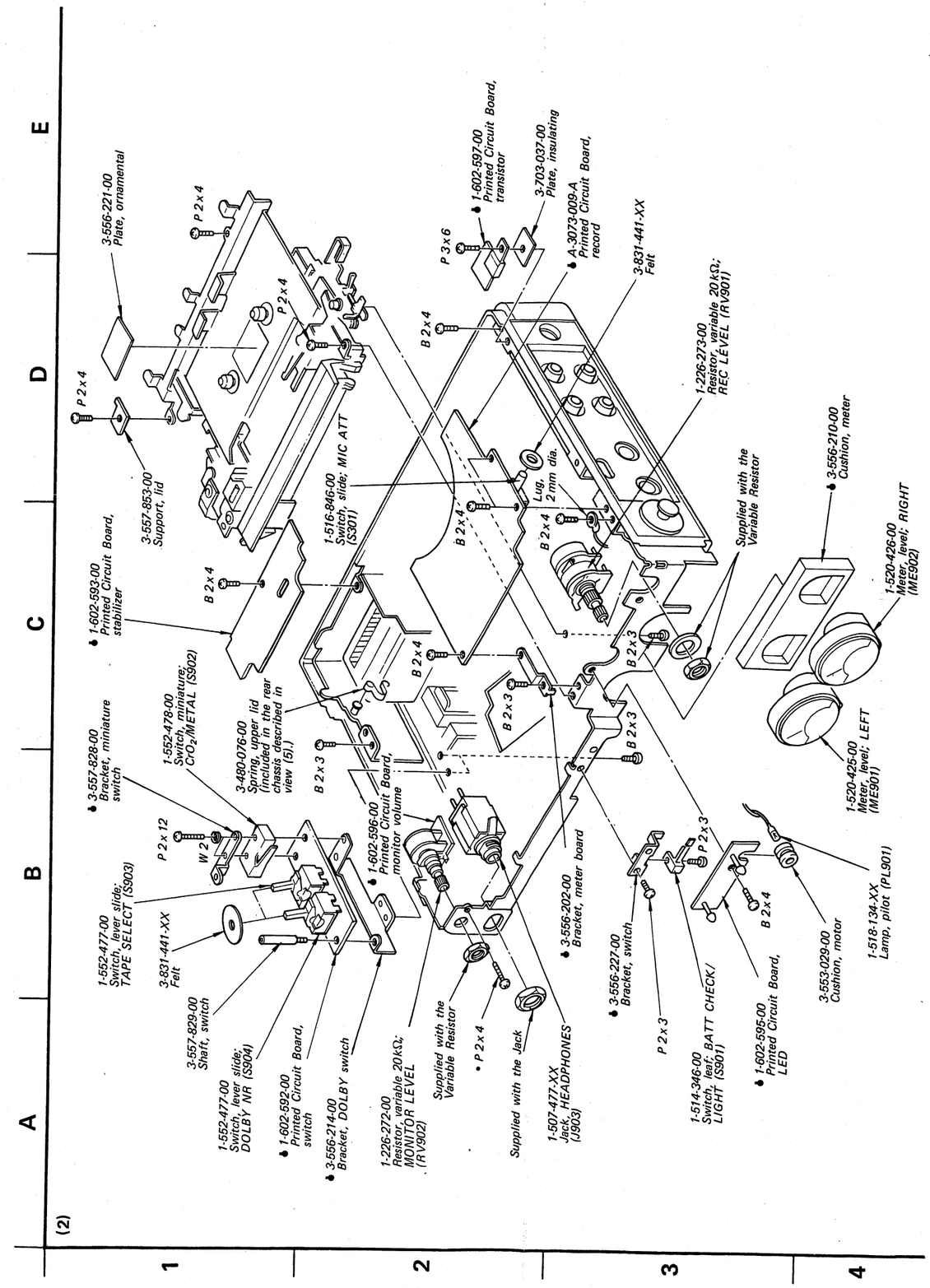

(1)
• P 2 x 4.5 (black)
3-556-207-00 Sheet (A), insulation
3-545-657-11 Bushing
A-3043-025-A Panel Ass'y, upper
9-911-839-XX Plate (B), rubber
• P 2 x 2.5
• P 2 x 4.5 (black)
• K 2 x 3 (black)
P 2 x 6
• P 2 x 8
X-3556-228-0 Stopper Ass'y, lid
X-3556-205-0 Lid Ass'y, cassette
• P 2 x 4.5
3-831-441-XX Felt
3-545-659-00 Cushion
3-557-884-00 Frame, ornamental
B 2 x 5
B 2 x 5
1-502-582-00 Speaker (SP901)
• P 2 x 4.5 (black)
3-831-441-XX Felt
3-831-441-XX Felt
• P 2 x 4.5 (black)
1-602-594-00 Printed Circuit Board, limiter
1-552-477-00 Switch, lever slide; LIMITER (S905)
9-911-815-01 Cushion (t3)
3-701-439-11 Washer, plastic; 3 mm dia. (t0.25)
3-831-441-XX Felt (t0.5)
X-3556-204-0 Knob Ass'y, MONITOR LEVEL
• P 2 x 2.5
A-3042-013-A Panel Ass'y, front; including parts marked ▲ A–E
▲ C 3-556-209-00 Bracket, switch
W 2
3-556-233-00 Lock
▲ B 3-556-204-00 Knob, lamp
3-556-234-00 Lid, battery
• P 2 x 4.5 (black)
X-3556-204-0 Knob Ass'y, record level (R)
3-701-443-11 Washer, plastic; 5 mm dia.
X-3556-203-0 Knob Ass'y, record level (L)
▲ A 9-911-839-XX Plate (B), rubber
X-3556-234-0 Knob Ass'y, lock
▲ E 3-556-236-00 Holder, knob
▲ D 3-556-235-00 Spring, knob
• P 2 x 4.5 (black)
• P 2 x 4.5 (black)
• P 2 x 4.5
A-3043-024-A Panel Ass'y, bottom; including part marked ■ A
3-557-891-01 Label, specification
■ A 3-513- 211-00 Label, DOLBY

Screws marked • are precision screws. (Refer to the chart on page 5 for their part numbers.)

Note:

- Items marked "♦" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All screws are Phillips (cross recess) type unless otherwise noted.
  (–) = slotted head
- (□□T) shows the number of coils in spring.

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.


(2)
3-556-221-00 Plate, ornamental
P 2 x 4
P 2 x 4
P 2 x 4
3-557-853-00 Support, lid
1-602-593-00 Printed Circuit Board, stabilizer
B 2 x 4
1-552-478-00 Switch, miniature; CrO2/METAL (S902)
3-480-076-00 Spring, upper lid (included in the rear chassis described in view (5).)
B 2 x 3
3-557-828-00 Bracket, miniature switch
P 2 x 12
W 2
1-552-477-00 Switch, lever slide; TAPE SELECT (S903)
3-831-441-XX Felt
3-557-829-00 Shaft, switch
1-552-477-00 Switch, lever slide; DOLBY NR (S904)
♦ 1-602-592-00 Printed Circuit Board, switch
♦ 3-556-214-00 Bracket, DOLBY switch
1-226-272-00 Resistor, variable 20kΩ; MONITOR LEVEL (RV902)
Supplied with the Variable Resistor
• P 2 x 4
Supplied with the Jack
1-507-477-XX Jack, HEADPHONES (J903)
♦ 1-602-596-00 Printed Circuit Board, monitor volume
P 3 x 6
♦ 1-602-597-00 Printed Circuit Board, transistor
3-703-037-00 Plate, insulating
♦ A-3073-009-A Printed Circuit Board, record
3-831-441-XX Felt
B 2 x 4
1-516-846-00 Switch, slide; MIC ATT (S301)
1-226-273-00 Resistor, variable 20kΩ; REC LEVEL (RV901)
B 2 x 4
Lug, 2 mm dia.
B 2 x 4
Supplied with the Variable Resistor
3-556-210-00 Cushion, meter
1-520-426-00 Meter, level; RIGHT (ME902)
B 2 x 3
B 2 x 3
B 2 x 3
1-520-425-00 Meter, level; LEFT (ME901)
♦ 3-556-202-00 Bracket, meter board
P 2 x 3
♦ 3-556-227-00 Bracket, switch
P 2 x 3
1-514-346-00 Switch, leaf; BATT CHECK/ LIGHT (S901)
B 2 x 4
♦ 1-602-595-00 Printed Circuit Board, LED
3-553-029-00 Cushion, motor
1-518-134-XX Lamp, pilot (PL901)

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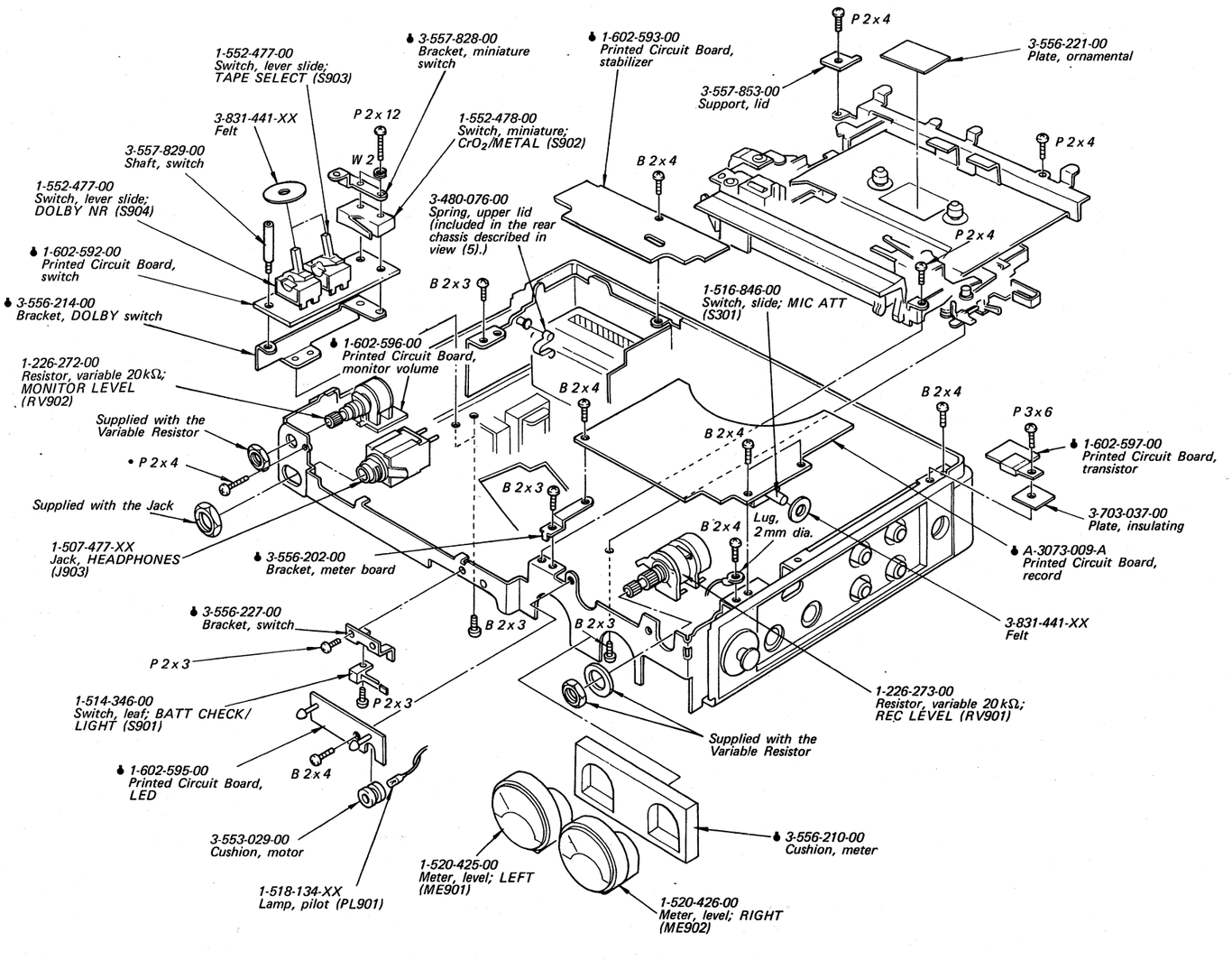
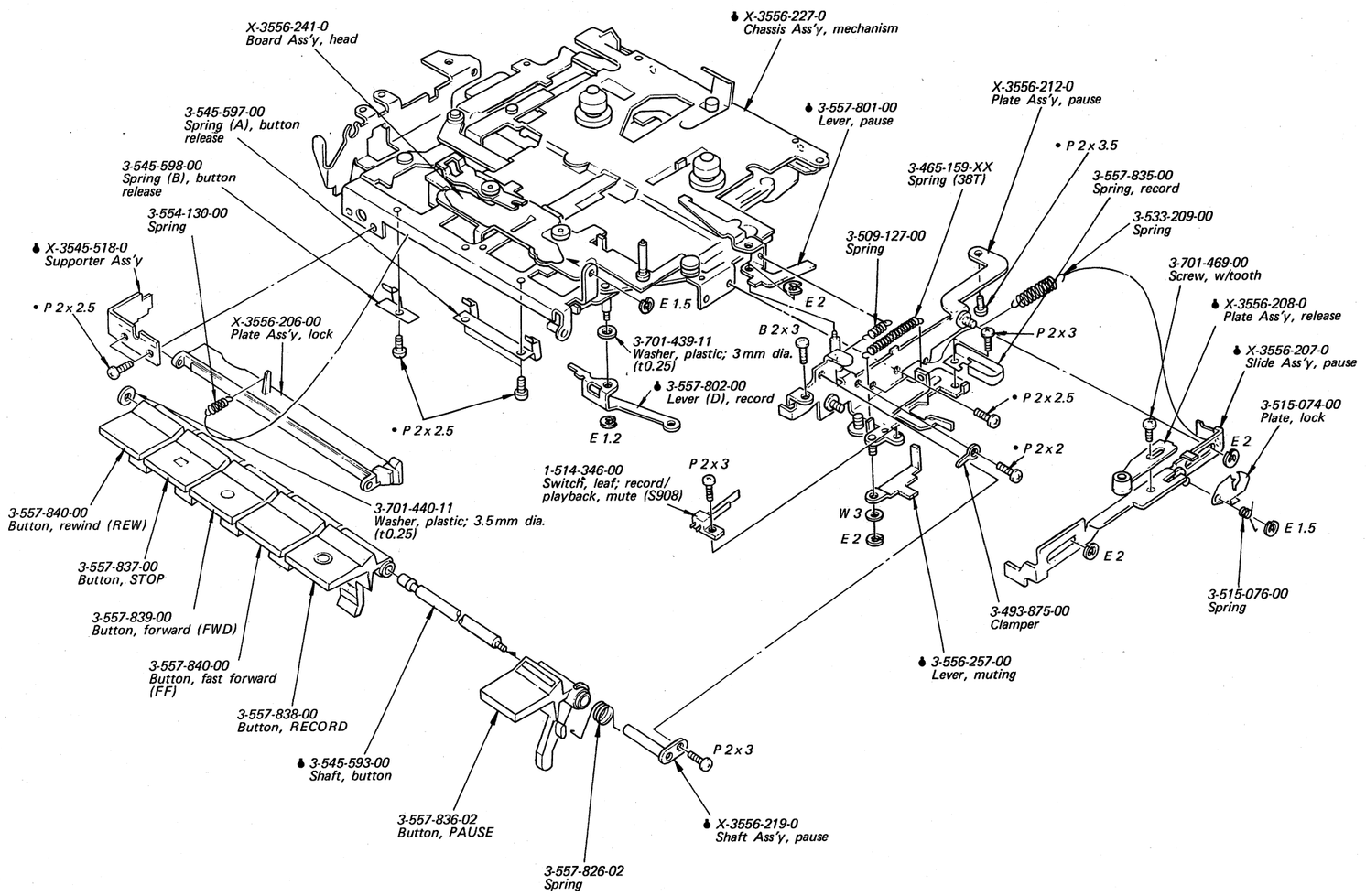
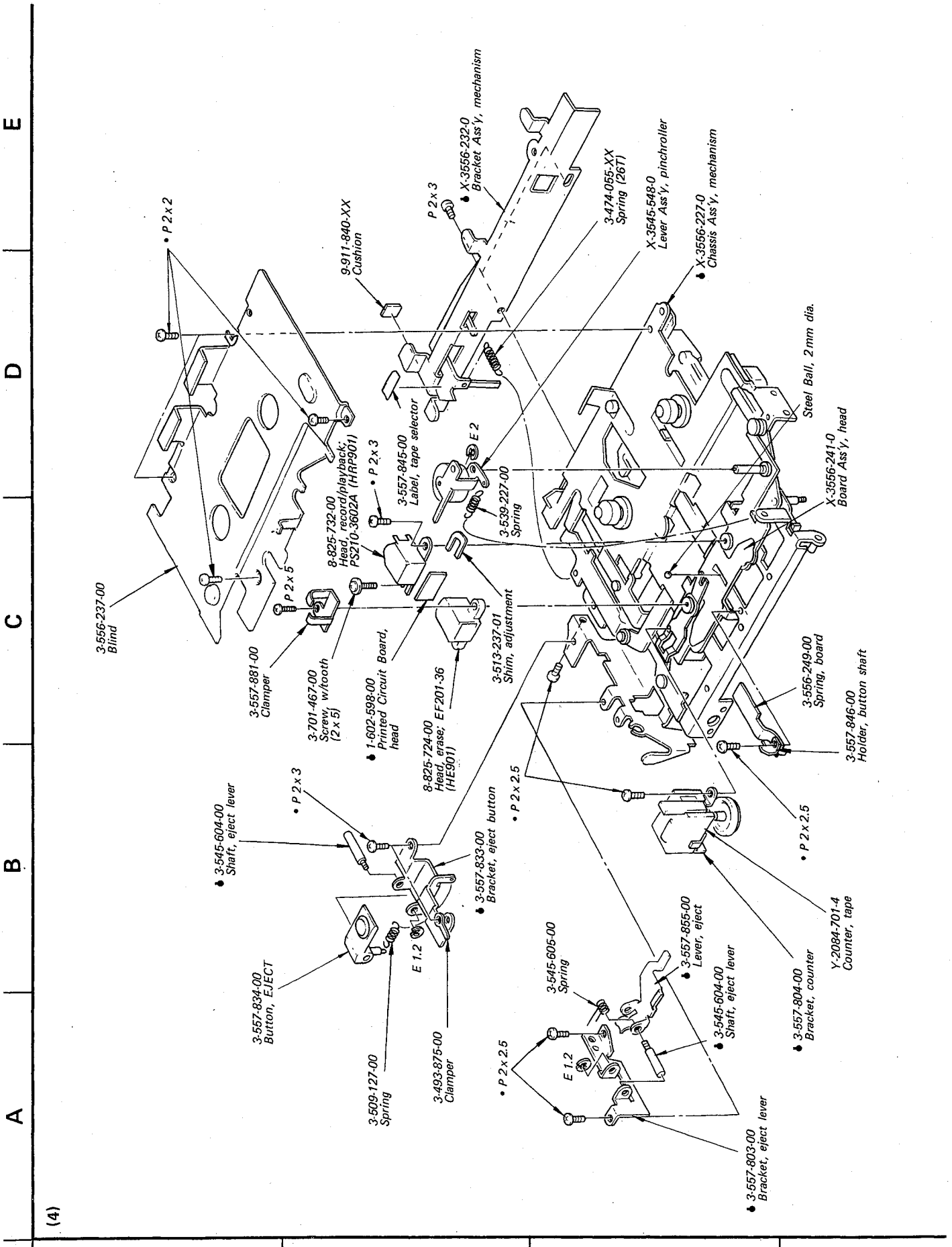
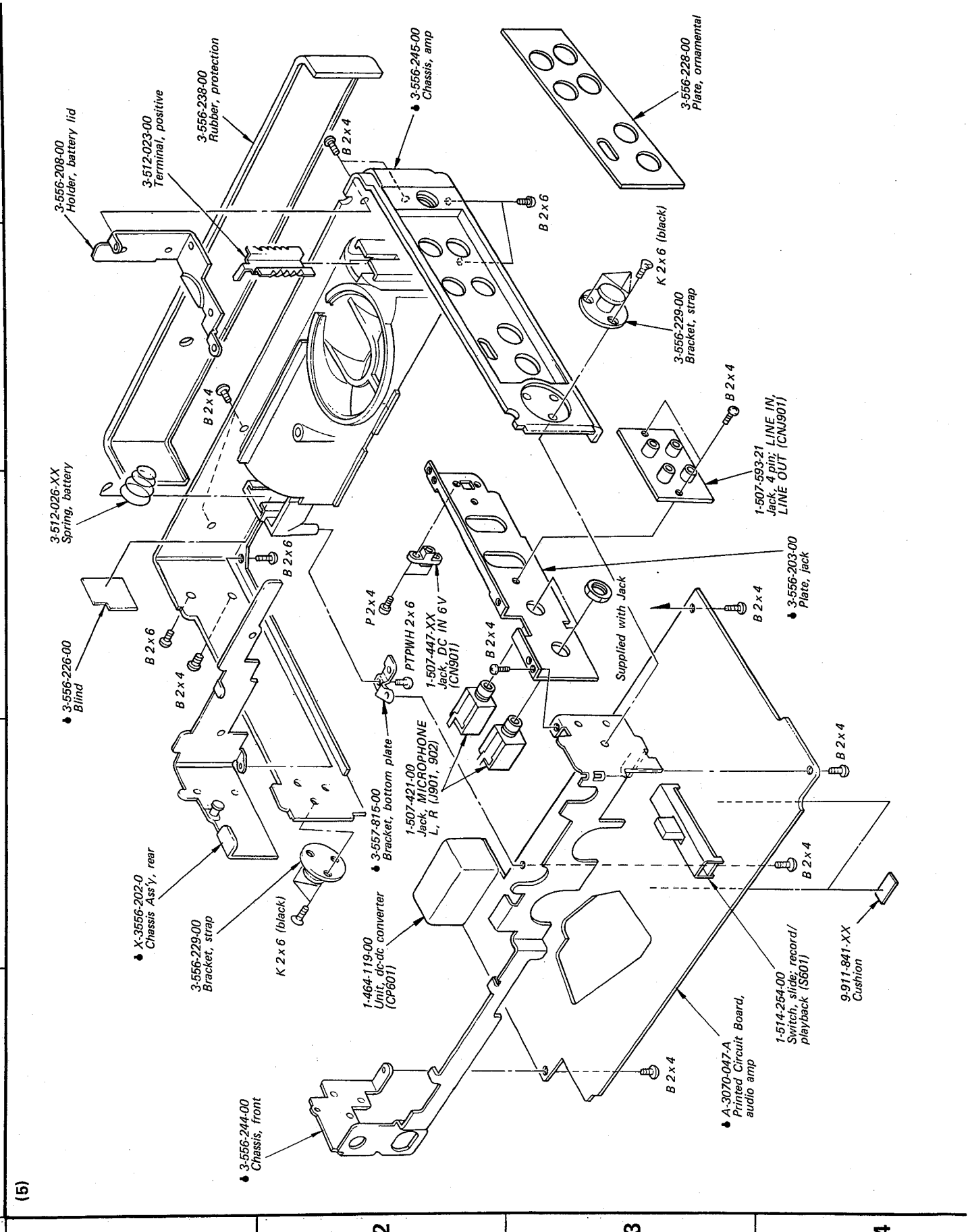
(2)


1-552-477-00 Switch, lever slide; TAPE SELECT (S903)
3-557-828-00 Bracket, miniature switch
1-602-593-00 Printed Circuit Board, stabilizer
P 2x4
3-556-221-00 Plate, ornamental
3-557-853-00 Support, lid
3-831-441-XX Felt
P 2x12
W 2
1-552-478-00 Switch, miniature; CrO2/METAL (S902)
3-557-829-00 Shaft, switch
B 2x4
P 2x4
1-552-477-00 Switch, lever slide; DOLBY NR (S904)
3-480-076-00 Spring, upper lid (included in the rear chassis described in view (5).)
P 2x4
1-602-592-00 Printed Circuit Board, switch
B 2x3
1-516-846-00 Switch, slide; MIC ATT (S301)
3-556-214-00 Bracket, DOLBY switch
1-602-596-00 Printed Circuit Board, monitor volume
1-226-272-00 Resistor, variable 20kΩ; MONITOR LEVEL (RV902)
B 2x4
B 2x4
P 3x6
Supplied with the Variable Resistor
B 2x4
1-602-597-00 Printed Circuit Board, transistor
P 2x4
B 2x3
Supplied with the Jack
Lug, 2mm dia.
B 2x4
3-703-037-00 Plate, insulating
1-507-477-XX Jack, HEADPHONES (J903)
3-556-202-00 Bracket, meter board
A-3073-009-A Printed Circuit Board, record
3-556-227-00 Bracket, switch
B 2x3
B 2x3
3-831-441-XX Felt
P 2x3
P 2x3
1-226-273-00 Resistor, variable 20kΩ; REC LEVEL (RV901)
1-514-346-00 Switch, leaf; BATT CHECK/ LIGHT (S901)
Supplied with the Variable Resistor
1-602-595-00 Printed Circuit Board, LED
B 2x4
3-556-210-00 Cushion, meter
3-553-029-00 Cushion, motor
1-520-425-00 Meter, level; LEFT (ME901)
1-518-134-XX Lamp, pilot (PL901)
1-520-426-00 Meter, level; RIGHT (ME902)

(3)


X-3556-241-0 Board Ass'y, head
X-3556-227-0 Chassis Ass'y, mechanism
3-545-597-00 Spring (A), button release
3-557-801-00 Lever, pause
X-3556-212-0 Plate Ass'y, pause
P 2x3.5
3-545-598-00 Spring (B), button release
3-465-159-XX Spring (38T)
3-557-835-00 Spring, record
3-554-130-00 Spring
3-533-209-00 Spring
3-509-127-00 Spring
X-3545-518-0 Supporter Ass'y
3-701-469-00 Screw, w/tooth
P 2x2.5
E 1.5
E 2
X-3556-208-0 Plate Ass'y, release
X-3556-206-00 Plate Ass'y, lock
B 2x3
P 2x3
X-3556-207-0 Slide Ass'y, pause
3-701-439-11 Washer, plastic; 3mm dia. (t0.25)
3-557-802-00 Lever (D), record
P 2x2.5
3-515-074-00 Plate, lock
P 2x2.5
E 2
E 1.2
P 2x2
1-514-346-00 Switch, leaf; record/ playback, mute (S908)
P 2x3
3-557-840-00 Button, rewind (REW)
3-701-440-11 Washer, plastic; 3.5mm dia. (t0.25)
W 3
E 2
E 1.5
E 2
3-557-837-00 Button, STOP
3-493-875-00 Clamper
3-515-076-00 Spring
3-557-839-00 Button, forward (FWD)
3-556-257-00 Lever, muting
3-557-840-00 Button, fast forward (FF)
3-557-838-00 Button, RECORD
P 2x3
3-545-593-00 Shaft, button
3-557-836-02 Button, PAUSE
X-3556-219-0 Shaft Ass'y, pause
3-557-826-02 Spring

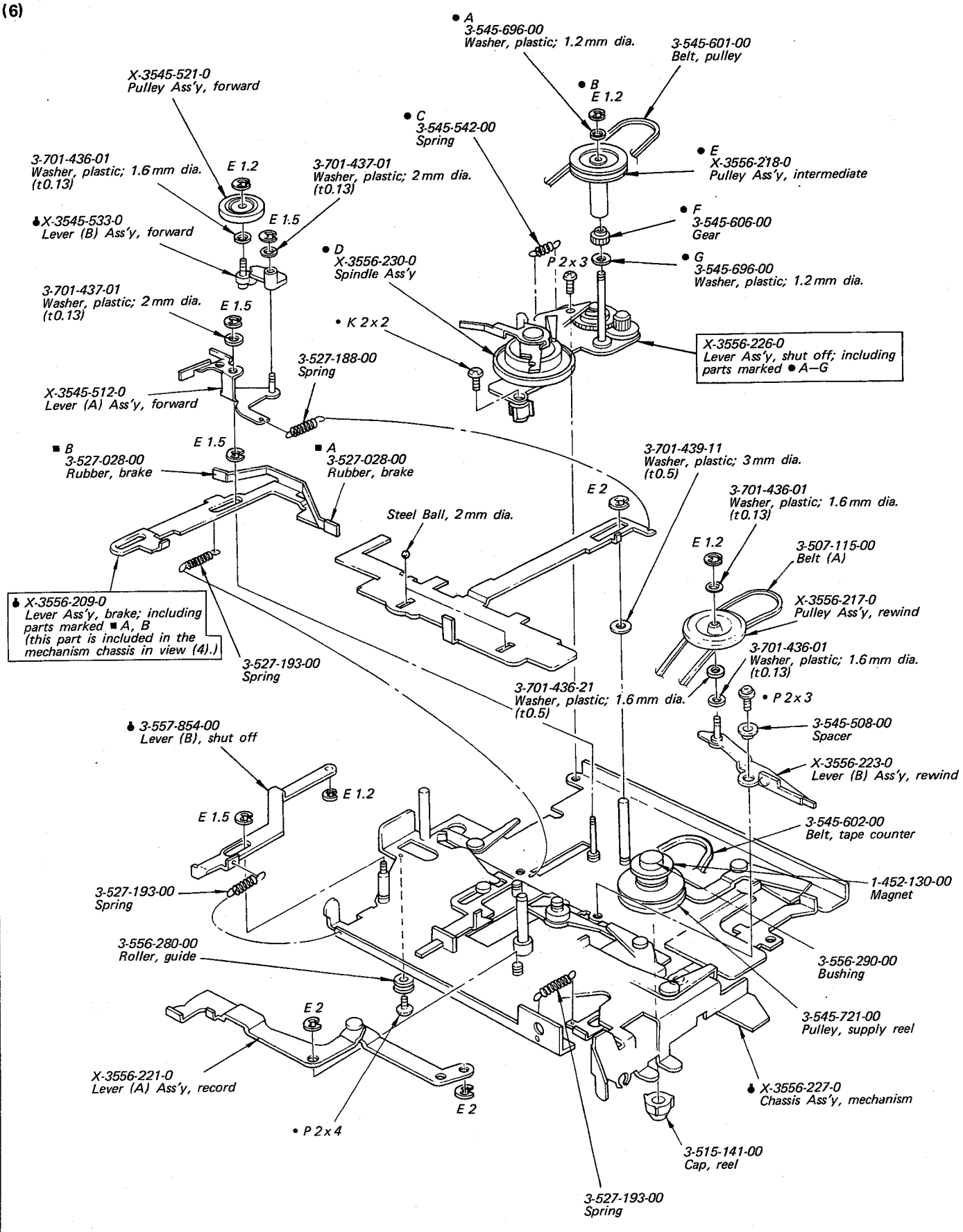

A
B
C
D
E
1
2
3
4
(4)
3-556-237-00 Blind
• P 2 x 2
3-557-881-00 Clamper
3-701-467-00 Screw, w/tooth (2 x 5)
P 2 x 5
8-825-732-00 Head, record/playback; PS210-3602A (HRP901)
• P 2 x 3
1-602-598-00 Printed Circuit Board, head
8-825-724-00 Head, erase; EF201-36 (HE901)
9-911-840-XX Cushion
P 2 x 3
X-3556-232-0 Bracket Ass'y, mechanism
3-557-845-00 Label, tape selector
E 2
3-539-227-00 Spring
3-513-237-01 Shim, adjustment
3-474-055-XX Spring (26T)
X-3545-548-0 Lever Ass'y, pinchroller
X-3556-227-0 Chassis Ass'y, mechanism
Steel Ball, 2mm dia.
X-3556-241-0 Board Ass'y, head
3-556-249-00 Spring, board
3-557-846-00 Holder, button shaft
• P 2 x 2.5
• P 2 x 2.5
3-545-604-00 Shaft, eject lever
• P 2 x 3
3-557-833-00 Bracket, eject button
• P 2 x 2.5
3-557-834-00 Button, EJECT
E 1.2
3-509-127-00 Spring
3-493-875-00 Clamper
3-545-606-00 Spring
E 1.2
• P 2 x 2.5
3-557-855-00 Lever, eject
3-545-604-00 Shaft, eject lever
3-557-803-00 Bracket, eject lever
3-557-804-00 Bracket, counter
Y-2084-701-4 Counter, tape


(5)
A
B
C
D
E
1
2
3
4
3-556-208-00 Holder, battery lid
3-512-023-00 Terminal, positive
3-556-238-00 Rubber, protection
3-556-245-00 Chassis, amp
3-556-228-00 Plate, ornamental
B 2x4
B 2x6
K 2x6 (black)
3-556-229-00 Bracket, strap
3-512-026-XX Spring, battery
3-556-226-00 Blind
1-507-593-21 Jack, 4 pin; LINE IN, LINE OUT (CNJ901)
P 2x4
PTPWH 2x6
1-507-447-XX Jack, DC IN 6V (CN901)
Supplied with Jack
3-556-203-00 Plate, jack
X-3556-202-0 Chassis Ass'y, rear
3-557-815-00 Bracket, bottom plate
1-507-421-00 Jack, MICROPHONE L, R (J901, 902)
1-464-119-00 Unit, dc-dc converter (CP601)
1-514-254-00 Switch, slide; record/playback (S601)
9-911-841-XX Cushion
A-3070-047-A Printed Circuit Board, audio amp
3-556-244-00 Chassis, front

A B C D

1 2 3 4 5

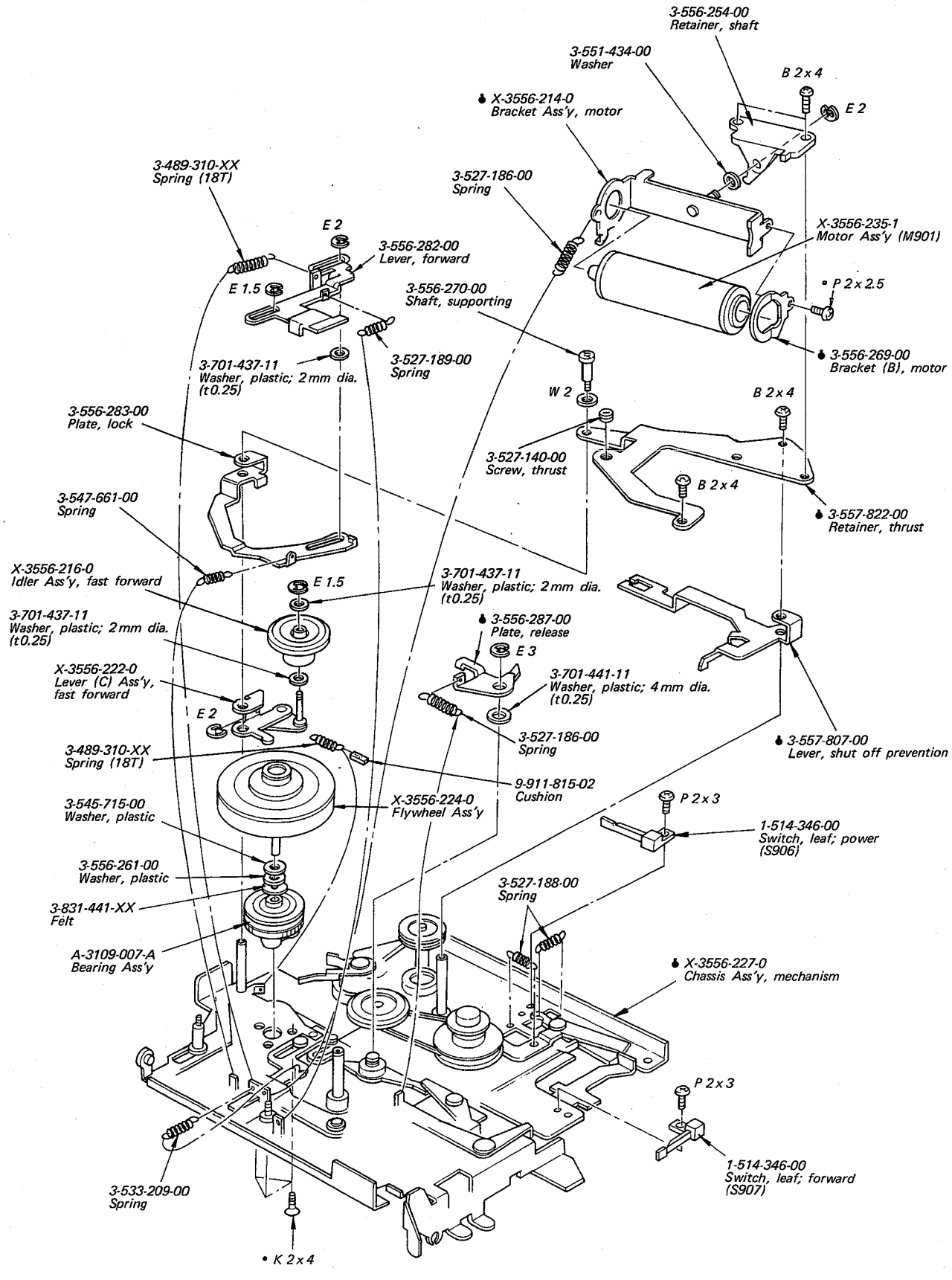
(6)


• A
3-545-696-00
Washer, plastic; 1.2 mm dia.
3-545-601-00
Belt, pulley
X-3545-521-0
Pulley Ass'y, forward
• B
E 1.2
• C
3-545-542-00
Spring
3-701-436-01
Washer, plastic; 1.6 mm dia.
(t0.13)
E 1.2
3-701-437-01
Washer, plastic; 2 mm dia.
(t0.13)
• E
X-3556-218-0
Pulley Ass'y, intermediate
♦X-3545-533-0
Lever (B) Ass'y, forward
E 1.5
• F
3-545-606-00
Gear
• D
X-3556-230-0
Spindle Ass'y
P 2 x 3
• G
3-545-696-00
Washer, plastic; 1.2 mm dia.
3-701-437-01
Washer, plastic; 2 mm dia.
(t0.13)
E 1.5
• K 2 x 2
X-3556-226-0
Lever Ass'y, shut off; including
parts marked • A–G
3-527-188-00
Spring
X-3545-512-0
Lever (A) Ass'y, forward
■ B
3-527-028-00
Rubber, brake
E 1.5
■ A
3-527-028-00
Rubber, brake
3-701-439-11
Washer, plastic; 3 mm dia.
(t0.5)
E 2
3-701-436-01
Washer, plastic; 1.6 mm dia.
(t0.13)
Steel Ball, 2 mm dia.
E 1.2
3-507-115-00
Belt (A)
♦ X-3556-209-0
Lever Ass'y, brake; including
parts marked ■ A, B
(this part is included in the
mechanism chassis in view (4).)
X-3556-217-0
Pulley Ass'y, rewind
3-701-436-01
Washer, plastic; 1.6 mm dia.
(t0.13)
3-527-193-00
Spring
3-701-436-21
Washer, plastic; 1.6 mm dia.
(t0.5)
• P 2 x 3
♦ 3-557-854-00
Lever (B), shut off
3-545-508-00
Spacer
X-3556-223-0
Lever (B) Ass'y, rewind
E 1.2
E 1.5
3-545-602-00
Belt, tape counter
3-527-193-00
Spring
1-452-130-00
Magnet
3-556-280-00
Roller, guide
3-556-290-00
Bushing
3-545-721-00
Pulley, supply reel
E 2
X-3556-221-0
Lever (A) Ass'y, record
E 2
♦ X-3556-227-0
Chassis Ass'y, mechanism
• P 2 x 4
3-515-141-00
Cap, reel
3-527-193-00
Spring

A B C D

1 2 3 4 5

(7)


3-556-254-00
Retainer, shaft
3-551-434-00
Washer
B 2x4
X-3556-214-0
Bracket Ass'y, motor
E 2
3-489-310-XX
Spring (18T)
3-527-186-00
Spring
X-3556-235-1
Motor Ass'y (M901)
E 2
3-556-282-00
Lever, forward
P 2x2.5
E 1.5
3-556-270-00
Shaft, supporting
3-556-269-00
Bracket (B), motor
3-701-437-11
Washer, plastic; 2mm dia.
(t0.25)
3-527-189-00
Spring
W 2
B 2x4
3-556-283-00
Plate, lock
3-527-140-00
Screw, thrust
B 2x4
3-547-661-00
Spring
3-557-822-00
Retainer, thrust
X-3556-216-0
Idler Ass'y, fast forward
E 1.5
3-701-437-11
Washer, plastic; 2mm dia.
(t0.25)
3-701-437-11
Washer, plastic; 2mm dia.
(t0.25)
3-556-287-00
Plate, release
E 3
X-3556-222-0
Lever (C) Ass'y,
fast forward
3-701-441-11
Washer, plastic; 4mm dia.
(t0.25)
E 2
3-527-186-00
Spring
3-557-807-00
Lever, shut off prevention
3-489-310-XX
Spring (18T)
9-911-815-02
Cushion
P 2x3
3-545-715-00
Washer, plastic
X-3556-224-0
Flywheel Ass'y
1-514-346-00
Switch, leaf; power
(S906)
3-556-261-00
Washer, plastic
3-527-188-00
Spring
3-831-441-XX
Felt
A-3109-007-A
Bearing Ass'y
X-3556-227-0
Chassis Ass'y, mechanism
P 2x3
1-514-346-00
Switch, leaf; forward
(S907)
3-533-209-00
Spring
K 2x4

SECTION 6
ELECTRICAL PARTS LIST

Ref. No.	Part No.	Description
	COMPLETE CIRCUIT BOARDS	
♦	A-3070-047-A	Audio Amp
♦	A-3073-009-A	Record
	PRINTED CIRCUIT BOARDS	
♦	1-602-592-00	Switch
♦	1-602-593-00	Stabilizer
♦	1-602-594-00	Limiter
♦	1-602-595-00	LED
♦	1-602-596-00	Monitor Volume
♦	1-602-597-00	Transistor
♦	1-602-598-00	Head
	SEMICONDUCTORS	
	Transistors	
Q101,201 Q102,202	8-729-334-58	2SC1345
Q103,203	8-729-663-47	2SC1364
Q104,204	8-729-100-13	2SC2001
Q105,205	8-729-663-47	2SC1364
Q301	8-729-663-47	2SC1364
Q302	8-760-335-10	2SC1474
Q401,501	8-729-612-77	2SA1027R
Q402,502	8-729-334-58	2SC1345
Q403,503	8-729-612-77	2SA1027R
Q404,405 Q407–411	8-729-663-47	2SC1364
Q412	8-729-612-77	2SA1027R
Q504,505 Q507–511	8-729-663-47	2SC1364
Q512	8-729-612-77	2SA1027R
Q601,606	8-729-195-23	2SA952
Q602–605 Q607	8-729-663-47	2SC1364
Q608	8-729-100-13	2SC2001
Q609	8-729-663-47	2SC1364
Q610	8-760-335-10	2SC1474
Q611	8-729-334-58	2SC1345
Q612	8-729-663-47	2SC1364
Q613,617	8-729-203-04	2SK30A
Q614,615	8-729-612-77	2SA1027R
Q616	8-760-523-10	2SA772-23
Q701,703	8-729-663-47	2SC1364
Q702	8-729-612-77	2SA1027R
Q704	8-723-303-13	2SK43-13
Q705,706	8-729-663-47	2SC1364
Q801	8-729-663-47	2SC1364
Q802	8-760-523-10	2SA772-23
Q803–805	8-729-663-47	2SC1364
Q901	8-763-213-00	2SA861
	ICs	
IC301	8-743-370-00	BX337
IC302	8-759-135-80	μPC358C
IC303	8-743-380-00	BX338
IC304	8-743-350-00	BX335
IC401,501	8-759-101-74	CX174
IC402,502	8-751-840-00	CX184
IC701	8-759-135-80	μPC358C
IC702	8-750-690-00	CX069
IC801	8-751-840-00	CX184
	Diodes	
D101,201	8-719-422-21	1T22AM
D301,401 D501 D601–606	8-719-815-55	1S1555
D607,608	8-719-910-65	HZ6B2L
D609,610	8-719-815-55	1S1555
D801	8-719-200-02	10E2
D901,902	8-719-900-24	SLP24B
	Magnetic Element	
RM701	8-745-101-01	DM-101

CAPACITORS

All capacitors are in μF. Common capacitors are omitted.
Refer to the list on pages 31 and 32 for their part numbers.

C440,540	1-107-253-00	15+18+22+27p	500V	mica
C606	1-130-062-00	0.0056	630V	film
C710	1-130-140-00	0.039	100V	film
C901	1-102-074-00	0.001	50V	ceramic

Items marked "♦" are not stocked because they are seldom required for routine service. Some delay should be anticipated when ordering these items.

Ref. No.	Part No.	Description
		RESISTORS
		All resistors are in ohms. Common ¼W carbon resistors are omitted. Refer to the list on page 5 for their part numbers.
R403,503	1-214-147-00	4.3 k ¼W metal-oxide
R624	1-214-146-00	3.9 k ¼W metal-oxide
R625,626	1-214-168-00	33 k ¼W metal-oxide
R627	1-214-146-00	3.9 k ¼W metal-oxide
R714	1-214-164-00	22 k ¼W metal-oxide
R906,907	1-246-798-00	18 k 1/8W carbon
RV101,201	1-224-251-XX	4.7 k, adjustable; level meter L, R
RV301	1-224-254-XX	47 k, adjustable; battery indication
RV401,501	1-224-252-XX	10 k, adjustable; playback level (L, R)
RV402,502	1-224-254-XX	47 k, adjustable; record level (L, R)
RV701	1-226-490-00	20 k, adjustable; tape speed
RV901	1-226-273-00	20 k-A, variable; REC LEVEL
RV902	1-226-272-00	20 k-A, variable; MONITOR LEVEL
		SWITCHES
S301	1-516-846-00	Slide, MIC ATT
S601	1-514-254-00	Slide, record/playback
S901	1-514-346-00	Leaf, BATT CHECK, LIGHT
S902	1-552-478-00	Miniature, METAL, CrO_2
S903,904	1-552-477-00	Lever Slide, TAPE SELECT, DOLBY NR
S905	1-552-477-00	Lever Slide, LIMITER
S906	1-514-346-00	Leaf, POWER
S907	1-514-346-00	Leaf, forward (FWD)
S908	1-514-346-00	Leaf, record/playback, mute
		MISCELLANEOUS
CN901	1-507-447-XX	Jack, power; DC IN 6V
CNJ901	1-507-593-21	Jack, 4p; LINE IN, LINE OUT
CP601	1-464-119-00	Convertor, dc-dc

Ref. No.	Part No.	Description
FL101,201	1-231-388-00	Filter, low pass
HE901	8-825-724-00	Head, erase; EF201-36
HRP901	8-825-732-00	Head, record/playback, PS210-3602A
J901,902	1-507-421-00	Jack, MICROPHONE L, R
J903	1-507-477-XX	Jack, HEADPHONES
L401,501	1-407-879-00	33 mH, microinductor
L402,502	1-408-352-00	6.8 μH, microinductor
M901	X-3556-235-1	Motor Ass'y
ME901	1-520-425-00	Meter, level; LEFT
ME902	1-520-426-00	Meter, level; RIGHT
PL901	1-518-134-XX	Lamp, pilot
SP901	1-502-582-00	Speaker
T601	1-433-223-00	Transformer, bias osc
TH801	1-800-199-XX	Thermistor
	1-452-130-00	Magnet

ACCESSORIES AND PACKING MATERIALS

Part No.	Description
X-3556-239-0	Strap Ass'y, carrying
X-3701-105-0	Cleaning Ass'y, head
1-528-057-00	Battery (US model)
1-551-734-11	Cord, connection (RK-74A)
3-557-848-00	Box, accessory
3-557-850-00	Cushion
3-557-878-00	Protection (US model)
3-557-889-00	Carton, individual
3-557-891-00	Label, model number
3-701-625-00	Bag, polyethylene (for instruction manual)
3-701-631-00	Bag, polyethylene
3-701-999-00	Label, serial number
3-783-175-11	Manual, instruction
3-793-828-11	Questionnaire (AEP model)
3-794-934-11	Leaflet (Swedish, Dutch)

ELECTROLYTIC CAPACITORS

Note: Circled letter (Ⓐ to Ⓩ) are applicable to European models only.

CAP. (μF)	RATING → : Use the high voltage rated one.					
	6.3 VOLT.	10 VOLT.	16 VOLT.	25 VOLT.	35 VOLT.	50 VOLT.
	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.47					→	1-121-726-00 Ⓐ
1.0					→	1-121-391-00 Ⓐ
2.2					→	1-121-450-00 Ⓐ
3.3	→	→	→	1-121-392-00 Ⓐ	→	1-121-393-00 Ⓐ
4.7	→	→	→	1-121-395-00 Ⓐ	→	1-121-396-00 Ⓐ
10	→	→	1-121-651-00 Ⓐ	1-121-398-00 Ⓐ	→	1-121-738-00 Ⓐ
22	→	→	1-121-479-00 Ⓐ	1-121-480-00 Ⓐ	1-121-662-00 Ⓐ	1-121-152-00 Ⓐ
33	→	→	1-121-403-00 Ⓐ	1-121-404-00 Ⓐ	1-121-652-00 Ⓑ	1-121-405-00 Ⓐ
47	→	1-121-352-00 Ⓐ	1-121-409-00 Ⓐ	1-121-410-00 Ⓐ	1-121-653-00 Ⓑ	1-121-411-00 Ⓐ
100	→	1-121-414-00 Ⓐ	1-121-415-00 Ⓐ	1-121-416-00 Ⓐ	1-121-357-00 Ⓑ	1-121-417-00 Ⓑ
220	1-121-419-00 Ⓑ	1-121-420-00 Ⓑ	1-121-421-00 Ⓐ	1-121-422-00 Ⓑ	1-121-261-00 Ⓒ	1-121-423-00 Ⓑ
330	1-121-751-00 Ⓑ	1-121-805-00 Ⓑ	1-121-521-00 Ⓒ	1-121-654-00 Ⓑ	1-121-655-00 Ⓓ	1-121-656-00 Ⓒ
470	1-121-424-00 Ⓑ	1-121-425-00 Ⓒ	1-121-426-00 Ⓒ	1-121-733-00 Ⓑ	1-121-361-00 Ⓔ	1-121-810-00 Ⓓ
1000	–	1-121-736-00 Ⓒ	1-121-245-00 Ⓓ	1-121-657-00 Ⓓ	1-121-388-00 Ⓔ	1-123-061-00 Ⓕ
2200	1-121-658-00 Ⓑ	1-121-659-00 Ⓒ	1-121-660-00 Ⓓ	1-123-067-00 Ⓕ	1-121-984-00 Ⓕ	–
3300	1-121-661-00 Ⓓ	1-123-075-00 Ⓔ	1-123-071-00 Ⓕ	–	–	–

CAP. (μF)	100 VOLT.	160 VOLT.	250 VOLT.	350 VOLT.
	PART No.	PART No.	PART No.	PART No.
0.47	–	–	–	–
1.0	1-123-249-00 Ⓐ	1-123-252-00 Ⓐ	1-123-003-00 Ⓑ	1-121-168-00 Ⓑ
2.2	1-123-250-00 Ⓐ	1-123-026-00 Ⓑ	–	1-123-028-00 Ⓑ
3.3	1-121-995-00 Ⓐ	–	1-123-004-00 Ⓑ	1-123-006-00 Ⓒ
4.7	1-123-255-00 Ⓐ	1-121-246-00 Ⓑ	1-121-759-00 Ⓑ	1-123-007-00 Ⓓ
10	1-121-126-00 Ⓑ	1-121-999-00 Ⓑ	1-123-254-00 Ⓒ	1-123-008-00 Ⓓ
22	1-121-996-00 Ⓒ	1-123-253-00 Ⓒ	1-123-005-00 Ⓓ	1-123-022-00 Ⓓ
33	1-121-997-00 Ⓒ	1-121-757-00 Ⓒ	–	–
47	1-123-251-00 Ⓒ	1-121-919-00 Ⓒ	–	–
100	1-123-084-00 Ⓔ	–	–	–

CERAMIC CAPACITORS Ⓐ

CAP. (pF)	RATING 50 VOLT. PART No.	CAP. (pF)	50 VOLT. PART No.	CAP. (pF)	50 VOLT. PART No.	CAP. (μF)	50 VOLT. PART No.
0.5	1-101-837-00	22	1-102-959-00	150	1-101-361-00	0.001	1-102-074-00
0.75	1-101-586-00	24	1-102-960-00	160	1-101-367-00	0.0012	1-102-118-00
1.0	1-102-934-00	27	1-102-961-00	180	1-102-976-00	0.0015	1-102-119-00
1.5	1-101-576-00	30	1-102-962-00	200	1-102-977-00	0.0018	1-102-120-00
2.0	1-102-935-00	33	1-102-963-00	220	1-102-978-00	0.0022	1-102-121-00
3	1-102-936-00	36	1-102-964-00	240	1-102-979-00	0.0027	1-102-122-00
4	1-102-937-00	39	1-102-965-00	270	1-102-980-00	0.0033	1-102-123-00
5	1-102-942-00	43	1-102-966-00	300	1-102-981-00	0.0039	1-102-124-00
6	1-102-943-00	47	1-101-880-00	330	1-102-820-00	0.0047	1-102-125-00
7	1-102-944-00	51	1-101-882-00	360	1-102-821-00	0.0056	1-102-126-00
8	1-102-945-00	56	1-101-884-00	390	1-102-822-00	0.0068	1-102-127-00
9	1-102-946-00	62	1-101-886-00	430	1-102-823-00	0.0082	1-102-128-00
10	1-102-947-00	68	1-101-888-00	470	1-102-824-00	0.01	1-102-129-00
11	1-102-948-00	75	1-101-890-00	510	1-101-059-00	0.022	1-101-005-00
12	1-102-949-00	82	1-102-971-00	560	1-102-115-00	0.047	1-101-006-00
13	1-102-950-00	91	1-102-972-00	680	1-102-116-00		
15	1-102-951-00	100	1-102-973-00	820	1-102-117-00		
16	1-102-952-00	110	1-102-815-00				
18	1-102-953-00	120	1-102-816-00				
20	1-102-958-00	130	1-101-081-00				

0.001μF = 1,000pF

CERAMIC (SEMICONDUCTOR) CAPACITORS Ⓐ

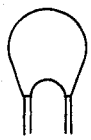
CAP. (μF)	RATING → : Use the high voltage rated one. 25 VOLT. PART No.	50 VOLT. PART No.	CAP. (μF)	25 VOLT. PART No.	50 VOLT. PART No.
0.001	→	1-161-039-00	0.018	1-161-016-00	1-161-054-00
0.0012	→	1-161-040-00	0.022	1-161-017-00	1-161-055-00
0.0015		1-161-041-00	0.027	1-161-018-00	1-161-056-00
0.0018		1-161-042-00	0.033	1-161-019-00	1-161-057-00
0.0022		1-161-043-00	0.039	1-161-010-00	1-161-058-00
0.0027	→	1-161-044-00	0.047	1-161-021-00	1-161-059-00
0.0033	→	1-161-045-00	0.056	→	1-161-060-00
0.0039	→	1-161-046-00	0.068	→	1-161-061-00
0.0047	→	1-161-047-00	0.082	1-161-024-00	1-161-062-00
0.0056	→	1-161-048-00	0.1	1-161-025-00	1-161-063-00
0.0068	→	1-161-049-00			
0.0082	1-161-012-00	1-161-050-00			
0.01	1-161-013-00	1-161-051-00			
0.012	→	1-161-052-00			
0.015	1-161-015-00	1-161-053-00			

MYLAR CAPACITORS Ⓐ

Note: Circled letters (Ⓐ to Ⓩ) are applicable to European models only.

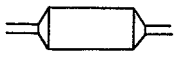
CAP. (μF)	RATING 50 VOLT. PART No.	100 VOLT. PART No.	200 VOLT. PART No.	CAP. (μF)	50 VOLT. PART No.	100 VOLT. PART No.	200 VOLT. PART No.	CAP. (μF)	50 VOLT. PART No.	100 VOLT. PART No.	200 VOLT. PART No.
0.001	1-108-227-00	1-108-365-00	1-108-409-00	0.01	1-108-239-00	1-108-377-00	1-108-421-00	0.1	1-108-251-00	1-108-389-00	1-108-433-00
0.0012	1-108-351-00	1-108-366-00	1-108-410-00	0.012	1-108-357-00	1-108-378-00	1-108-422-00	0.12	1-108-363-00	1-108-390-00	1-108-434-00
0.0015	1-108-228-00	1-108-367-00	1-108-411-00	0.015	1-108-240-00	1-108-379-00	1-108-423-00	0.15	1-108-252-00	1-108-391-00	1-108-435-00
0.0018	1-108-352-00	1-108-368-00	1-108-412-00	0.018	1-108-358-00	1-108-380-00	1-108-424-00	0.18	1-108-364-00	1-108-392-00	1-108-436-00
0.0022	1-108-230-00	1-108-369-00	1-108-413-00	0.022	1-108-242-00	1-108-381-00	1-108-425-00	0.22	1-108-254-00	1-108-393-00	1-108-437-00
0.0027	1-108-353-00	1-108-370-00	1-108-414-00	0.027	1-108-359-00	1-108-382-00	1-108-426-00	0.27	1-108-854-00	–	–
0.0033	1-108-232-00	1-108-371-00	1-108-415-00	0.033	1-108-244-00	1-108-383-00	1-108-427-00	0.33	1-108-855-00	–	–
0.0039	1-108-354-00	1-108-372-00	1-108-416-00	0.039	1-108-360-00	1-108-384-00	1-108-428-00	0.39	1-108-856-00	–	–
0.0047	1-108-234-00	1-108-373-00	1-108-417-00	0.047	1-108-246-00	1-108-385-00	1-108-429-00	0.47	1-108-857-00	–	–
0.0056	1-108-355-00	1-108-374-00	1-108-418-00	0.056	1-108-361-00	1-108-386-00	1-108-430-00				
0.0068	1-108-237-00	1-108-375-00	1-108-419-00	0.068	1-108-249-00	1-108-387-00	1-108-431-00				
0.0082	1-108-356-00	1-108-376-00	1-108-420-00	0.082	1-108-362-00	1-108-388-00	1-108-432-00				

TANTALUM CAPACITORS



CAP. (μF)	RATING → : Use the high voltage rated one. 3.15 VOLT. PART No.	6.3 VOLT. PART No.	10 VOLT. PART No.	16 VOLT. PART No.	20 VOLT. PART No.	25 VOLT. PART No.	35 VOLT. PART No.
0.01					→	→	1-131-396-00 Ⓑ
0.015						→	1-131-397-00 Ⓑ
0.022						→	1-131-398-00 Ⓑ
0.033						→	1-131-399-00 Ⓑ
0.047						→	1-131-400-00 Ⓑ
0.068					→	→	1-131-401-00 Ⓑ
0.1					→	→	1-131-402-00 Ⓑ
0.15					→	→	1-131-403-00 Ⓑ
0.22					→	→	1-131-404-00 Ⓑ
0.33					→	1-131-409-00 Ⓑ	1-131-405-00 Ⓑ
0.47	–	–	–	–	1-131-412-00 Ⓑ	→	1-131-406-00 Ⓑ
0.68	–	–	–	1-131-415-00 Ⓑ	→	1-131-410-00 Ⓑ	1-131-407-00 Ⓑ
1.0	–	–	1-131-418-00 Ⓑ	–	1-131-413-00 Ⓑ	→	1-131-408-00 Ⓑ
1.5	–	1-131-421-00 Ⓑ	–	1-131-416-00 Ⓑ	→	1-131-411-00 Ⓑ	1-131-348-00 Ⓑ
2.2	1-131-424-00 Ⓑ	–	1-131-419-00 Ⓑ	–	1-131-414-00 Ⓑ	1-131-355-00 Ⓑ	1-131-349-00 Ⓑ
3.3	–	1-131-422-00 Ⓑ	–	1-131-417-00 Ⓑ	1-131-362-00 Ⓑ	1-131-356-00 Ⓑ	1-131-350-00 Ⓑ
4.7	1-131-425-00 Ⓑ	–	1-131-420-00 Ⓑ	1-131-369-00 Ⓑ	1-131-363-00 Ⓑ	1-131-357-00 Ⓑ	1-131-351-00 Ⓒ
6.8	–	1-131-423-00 Ⓑ	1-131-376-00 Ⓑ	1-131-370-00 Ⓑ	1-131-364-00 Ⓑ	1-131-358-00 Ⓒ	1-131-352-00 Ⓒ
10	1-131-426-00 Ⓑ	1-131-383-00 Ⓑ	1-131-377-00 Ⓑ	1-131-371-00 Ⓑ	1-131-365-00 Ⓒ	1-131-359-00 Ⓒ	1-131-353-00 Ⓓ
15	1-131-390-00 Ⓑ	1-131-384-00 Ⓑ	1-131-378-00 Ⓑ	1-131-372-00 Ⓑ	1-131-366-00 Ⓒ	1-131-360-00 Ⓓ	
22	1-131-391-00 Ⓑ	1-131-385-00 Ⓑ	1-131-379-00 Ⓒ	1-131-373-00 Ⓒ	1-131-367-00 Ⓓ		
33	1-131-392-00 Ⓑ	1-131-386-00 Ⓒ	1-131-380-00 Ⓒ	1-131-374-00 Ⓓ			
47	1-131-393-00 Ⓒ	1-131-387-00 Ⓒ	1-131-381-00 Ⓓ	–			
68	1-131-394-00 Ⓑ	1-131-388-00 Ⓒ	–	–			
100	1-131-395-00 Ⓓ	–	–	–			

TANTALUM CAPACITORS



CAP. (μF)	RATING 3 VOLT. PART No.	6.3 VOLT. PART No.	10 VOLT. PART No.	16 VOLT. PART No.	20 VOLT. PART No.	35 VOLT. PART No.
0.033						1-131-273-00 Ⓔ
0.047						1-131-274-00 Ⓔ
0.068						1-131-275-00 Ⓔ
0.1						1-131-276-00 Ⓓ
0.15						1-131-277-00 Ⓓ
0.22			–	–	1-131-262-00 Ⓓ	1-131-278-00 Ⓓ
0.33			–	–	1-131-263-00 Ⓓ	1-131-279-00 Ⓓ
0.47			1-131-169-00 Ⓓ	–	1-131-264-00 Ⓓ	1-131-280-00 Ⓓ
0.68			–	1-131-258-00 Ⓓ	1-131-265-00 Ⓓ	1-131-281-00 Ⓓ
1.0			1-131-254-00 Ⓓ	–	1-131-266-00 Ⓓ	1-131-282-00 Ⓓ
1.5		1-131-250-00 Ⓓ	–	–	1-131-267-00 Ⓓ	1-131-283-00 Ⓔ
2.2		–	–	1-131-259-00 Ⓓ	1-131-268-00 Ⓓ	1-131-284-00 Ⓔ
3.3		–	1-131-255-00 Ⓓ	–	1-131-269-00 Ⓓ	–
4.7		1-131-251-00 Ⓔ	1-131-171-00 Ⓓ	–	1-131-270-00 Ⓓ	–
6.8		–	–	1-131-260-00 Ⓓ	1-131-271-00 Ⓔ	–
10	–	–	1-131-256-00 Ⓓ	–	1-131-272-00 Ⓔ	–
15	–	1-131-252-00 Ⓓ	–	1-131-261-00 Ⓔ		
22	–	–	1-131-257-00 Ⓔ	–		
33	1-131-176-00 Ⓓ	1-131-253-00 Ⓔ	1-131-173-00 Ⓒ	–		
47	1-131-288-00 Ⓕ	1-131-174-00 Ⓓ	–	–		
100	1-131-177-00 Ⓓ					

Sony Corporation

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